STRUCTURAL DYNAMICS OF BOREAL FOREST ECOSYSTEMS ON THREE HABITAT TYPES IN THE HONDO - LESSER SLAVE LAKE AREA OF NORTH CENTRAL ALBERTA IN 1982[a]

VOLUME I. TEXT

by

GEORGE H. LA ROI
MICHAEL S. ROSS
and
MIKE OSTAFICHUK
Department of Botany
University of Alberta

for

RESEARCH MANAGEMENT DIVISION
ALBERTA ENVIRONMENT
RMD-80/35A

and

RECREATION, PARKS AND WILDLIFE
FOUNDATION

May 1983

---

[a] Contribution No. 4 of the SEADYN Project.

STRUCTURAL DYNAMICS OF BOREAL FOREST ECOSYSTEMS ON THREE HABITAT TYPES IN THE HONDO - LESSER SLAVE LAKE AREA OF NORTH CENTRAL ALBERTA IN 1982[a]

VOLUME I. TEXT

RESEARCH MANAGEMENT DIVISION
UNEDITED
MATERIAL
O.F. 65, VOL. I

by

GEORGE H. LA ROI
MICHAEL S. ROSS
and
MIKE OSTAFICHUK
Department of Botany
University of Alberta

for

RESEARCH MANAGEMENT DIVISION
ALBERTA ENVIRONMENT
RMD-80/35A

and

RECREATION, PARKS AND WILDLIFE
FOUNDATION

May 1983

---

[a] Contribution No. 4 of the SEADYN Project.

LIST OF TABLES

Page

1. Modified Classification System for Field Observations of Vegetative and Reproductive Phenological Phases of Vascular Plant Species in the Hondo - Lesser Slave Lake area of North Central Alberta 5

2. Estimated Ages and Stand Origin Dates of the Eight SEADYN Reference Stands located in the Hondo - Lesser Slave Lake Area of North Central Alberta 12

3. Synthesis Table Showing the Estimated % Cover of Major Plant Growth-forms and Species in the Eight SEADYN Reference Stands of the Hondo - Lesser Slave Lake Area in North Central Alberta in August 1982 15

4. Some Plant Community Attributes of the Eight SEADYN Reference Stands in the Hondo - Lesser Slave Lake Area of North Central Alberta in August 1982 24

5. Phenological Calendar for Selected Vascular Plant Species of the Hondo - Lesser Slave Lake Study Area for the 1982 Snow-free Season 36

6. Least Squares Regression Equations for Four Vascular Plant Species in the Hondo - Lesser Slave Lake Area of North Central Alberta 41

7. Age-size Relationships of Tree Species in the Eight SEADYN Reference stands of the Hondo - Lesser Slave Lake Area of North Central Alberta 62

8. Daily Air Temperature Data from the Hondo and NW Stations of the SEADYN Study Area for the Period 1 May to 22 October 1982 64

9. Daily Precipitation Data from the Hondo Station of the SEADYN Study Area for the Period 7 May to 25 September 1982 69

10. Numbers of Bird Species Recorded in the Eight SEADYN Reference Stands of the Hondo - Lesser Slave Lake Study Area at Monthly Intervals and During the Entire 1982 Snow-free Season 72

11. Comparison of August 1981 and 1982 Vascular Plant Community Attributes and Vascular Growth-form Cover Values of the Eight SEADYN Reference Stands in the Hondo - Lesser Slave Lake Area of North Central Alberta 74

LIST OF TABLES (Concluded)

Page

12. Comparison of June 1981 and August 1982 Terrestrial Bryophyte and Lichen Community Attributes and Bryophyte and Lichen Cover Values of the Eight SEADYN Reference Stands in the Hondo - Lesser Slave Lake Area of North Central Alberta 76

LIST OF FIGURES

Page

1. Shoot Cover Dynamics of Selected Vascular Plant Species Populations in Selected SEADYN Reference Stands in 1981 and 1982 26

2. Comparison of Mean Phenological Phases of *Alnus crispa* and *Carex gynocrates* in Selected SEADYN Reference stands in 1982 38

3. Relations Between Shoot Cover, Shoot Biomass, and Leaf Area in Three Forb and One Shrub Species, Based on Plant Collections from Areas Adjoining SEADYN Reference Stands ... 43

4. Diameter Distributions of live *Pinus banksiana* stems in SEADYN Reference Stand Nos. 1 through 4 51

5. Diameter Distributions of *Picea glauca*, *Abies balsamea*, and Four Minor Tree Species in SEADYN Reference Stand No. 4 in 1982 53

6. Diameter Distributions of *Picea glauca*, *Abies balsamea*, and Three Other Tree Species in SEADYN Reference Stand No. 6 in 1982 55

7. Diameter Distributions of *Picea mariana* in SEADYN Reference Stand Nos. 7 and 8 in 1982 58

8. Diameter Distributions of Live, Dead Standing, and Dead and Down *Populus tremuloides* stems in SEADYN Reference Stand No. 5 in 1982 60

9. Comparison of August 1981 and August 1982 Vascular Plant Growth-form Shoot Cover Estimates in the Eight SEADYN Reference Stands 79

ABSTRACT

The primary purpose of the SEADYN Project is to intensively study and document the short- and long-term structural dynamics of the plant community components of eight boreal forest ecosystems representing different successional stages on three important habitat types in a clean airshed area of the Southern Boreal Subzone of north central Alberta.

Eight 50 x 50 m reference stands were established and surveyed in the Hondo - Lesser Slave Lake area in 1980, including four stands ranging in age from 42 to 128 years on the *Picea glauca* [*Pinus banksiana*] habitat type on aeolian sand; two ranging in age from 73 to 128 years on the *Picea glauca* [*Populus tremuloides*] h.t. on clay-rich glacial till; and two ranging in age from 62 to 128 years on the *Picea mariana* [*Larix laricina*] h.t. on peatland.

Five years of intensive, non-disruptive measurements of several important vascular plant and terrestrial bryophyte and lichen population and community parameters began in 1981 and continued in 1982. This report describes some of the results obtained during the 1982 snow-free season and compares some of these with results obtained in 1981.

In addition to the work already initiated in 1981 and continued in 1982, five new studies were started, including measurements of forest litter-fall at monthly intervals, collections and measurements of epiphytic lichens on trees, assessment of above- and below-ground morphometry of major vascular plant species, and observations on the seasonal dynamics of the avifauna (bird fauna) in the reference stands.

The 1982 snow-free season was warmer and much drier than average in early summer, and cooler and much wetter than average in late summer; taken as a whole, however, it was very close to 'average' in terms of mean temperature and total precipitation. Air temperatures averaged 1°C warmer in 1982 than in 1981; 30 mm more precipitation fell in 1982 than in 1981 during the period 1 May to 31 August. Snowshoe Hares and Tent Caterpillars caused considerably less damage to their preferred plant food species in 1982 than in 1981.

Phenological observations of vascular plant populations in the reference stands in 1982 lead to the tentative inference that the 'phenological calendars' of plant communities vary with successional development.

Regression equations for estimation of above-ground shoot biomass and leaf area from shoot cover estimates made at monthly intervals for vascular plant species are very promising in relation to the major objectives of the project; coefficients of determination (R^2) range from the poorest at 0.48 to the best at 0.92.

Diameter distributions of tree populations in reference stands support the hypothesis that seral species such as *Pinus banksiana*, *Populus tremuloides*, and *Larix laricina* are replaced over time by climax species such as *Picea glauca*, *Abies balsamea*, and *Picea mariana* because only the latter are able to recruit new individuals after old trees die.

A total of 39 bird species were recorded in the reference stands during the 1982 snow-free season; individual stands ranged in bird species richness from 16 in a young *Picea mariana* stand to 24 in an old-growth *Picea glauca/Abies balsamea* stand.

A comparison of the August 1981 and August 1982 plant community survey data shows that total vascular cover, vascular species evenness and species diversity were generally higher in 1982 than in 1981. Stands of the *Picea glauca* [*Populus tremuloides*] h.t. showed dramatic increases in forb and shrub cover from 1981 to 1982, while those of the other two h.t.'s were slight.

The Discussion section of this report draws attention to the need for pollution monitoring instruments and instrument towers in the reference stands of the Hondo - Lesser Slave Lake study area to help assess its designation as a 'clean airshed control area' for comparison with reference stands on similar soils along air pollution gradients in the Athabasca Oil Sands study area of northeastern Alberta.

ACKNOWLEDGEMENTS

We extend our sincere thanks to Mr. Robert Ellis, Miss Heather Addy, Mr. Manfred Bichlmaier, Mr. Larry Flanagan, and Miss Linda Parker for outstanding performance of their appointed field and laboratory responsibilities at Hondo during the summer of 1982, and to Mrs. Nancy La Roi, Miss Susanna Hubler, Mr. Byron Jensen, Miss Susan Westover, Miss Kim Kerpan, Miss Karin Von Gaza, Mr. Louis Bugeaud, and Mr. Art Bauer for equally fine work on the dimensional attributes of plants in the laboratory at Edmonton during the winter of 1982-83; without their inputs our project would have collapsed! We also thank Mr. Wayne Strong and Mr. James Fyles and their field and laboratory assistants for additional help at crucial times.

We gratefully acknowledge the assistance and support of Mr. Carson McDonald and the staff of the Slave Lake Forest, Alberta Department of Energy and Natural Resources in 1982-83. We thank the Natural Areas Committee for permission to conduct research in four permanent plots located in Educational Natural Areas; and also the Forest Research Branch, Alberta Department of Energy and Natural Resources, for placing and maintaining protective reservations on lands enclosing the four other permanent plots in the study area.

Many other individuals, including Dr. Walter Moser, Dr. Lorene Kennedy, and Dr. Percy Sims, gave us helpful advice.

The SEADYN Project was made possible by generous grants and contracts from the following private and public organizations: Aquitaine Company of Canada, Ltd., The University of Alberta, and Alberta Advanced Education Endowment Fund, for assistance with the purchase and maintenance of buildings at the Hondo Research Laboratory; Alberta Natural Areas Committee and Student Employment Program of Canada Manpower each for supplying one field technician in each of the summers of 1981 and 1982; Natural Sciences and Engineering Research Council of Canada, Recreation, Parks and Wildlife Foundation (Alberta), and Research Management Division of Alberta Department of the Environment for funding to pay staff, buy equipment and supplies, provide transportation, and cover other operating expenses of the

project. The Alberta Environmental Research Trust granted funds to pay the salary of one of us (MSR), as well as support the Ph.D. research of Mr. Fyles and Mr. Strong. This support is most gratefully acknowledged.

This study was conducted under the scientific supervision of Dr. Percy Sims and administrative supervision of Mr. Barry Munson of the Research Management Division, Alberta Department of the Environment, whose help we greatly appreciated.

The manuscript was typed by Mrs. Evelyn Jamha, Department of Botany, University of Alberta, whose experience and careful attention to detail were of great assistance to us. The computer output to this report was implemented by Mr. Bill Lee, our resident magician; without his strong input, we would have been overwhelmed by our own data!

TABLE OF CONTENTS

		Page
DECLARATION		i
LIST OF TABLES		ii
LIST OF FIGURES		iv
ABSTRACT		v
ACKNOWLEDGEMENTS		vii
1.	INTRODUCTION	1
1.1	Background Review	1
1.2	SEADYN Project Studies Continued in 1982	1
1.3	SEADYN Project Studies Initiated in 1982	2
2.	METHODS	3
2.1	Review	3
2.2	Phenological Observations	3
2.2.1	Vascular Plants	3
2.2.2	Bryophytes and Lichens	4
2.3	Above- and Below-Ground Plant Morphometry	4
2.3.1	Vascular Plants	4
2.3.2	Epiphytic Lichens	7
2.4	Forest Litter-Fall Measurements	8
2.5	Population Age-Structure of Tree Species	8
2.6	Photographic Documentation	9
2.7	Seasonal Dynamics of the Avifauna	9
2.8	Data Collection, Storage, Retrieval and Use	10
3.	RESULTS	11
3.1	Ages and Origins of Reference Stands	11
3.2	Soils of Reference Stands	11
3.3	Monthly Survey of Plant Communities During the Snow-Free Season	13
3.3.1	1982 Quantitative Data for Reference Stands	13
3.3.2	August 1982 Synthesis Table	14
3.3.3	Plant Community Attributes of Reference Stands in August 1982	14
3.4	Shoot Cover Dynamics of Vascular Plant Species Populations in 1981 and 1982.	14
3.5	Phenological Observations in 1982	35
3.5.1	Phenological Calendar	35
3.5.2	Variations Among Reference Stands	37
3.6	Above-Ground Shoot Biomass, Leaf Area and Shoot Cover Relationships of Vascular Plant Species in 1981 and 1982	40

TABLE OF CONTENTS (Concluded)

		Page
3.7	Above- and Below-Ground Plant Morphometry	48
3.7.1	Vascular Plants	48
3.7.2	Epiphytic Lichens	49
3.8	Population Structure of Tree Species	50
3.8.1	Diameter Distributions	50
3.8.2	Age-Size Relationships	57
3.9	Environmental Measurements in 1982	63
3.9.1	Atmospheric Component	63
3.9.2	Soil Component	70
3.10	Photographic Documentation	70
3.11	Seasonal Dynamics of the Avifauna	71
4.	DISCUSSION	73
4.1	Comparison of 1981 and 1982 Plant Community Survey Data	73
4.1.1	Vascular Plant Community Attributes	73
4.1.2	Terrestrial Bryophyte and Lichen Community Attributes	75
4.1.3	Percent Cover of Vascular Plant Growth-Forms	78
4.1.4	Percent Cover of Terrestrial Bryophytes and Lichens	81
4.2	Comparison of Plant Communities in Reference Stands of the Same and Different Age and Habitat Type	82
4.2.1	Vascular Plant Community Attributes	82
4.2.2.	Percent Cover of Vascular Plant Growth-Forms	83
4.3	Influence of Herbivores	85
4.4	Objective Quantitative Data Needed from Monthly Surveys of Plant Communities	86
4.5	Pollution Monitoring Stations Needed	87
4.6	Winter Studies Needed	88
4.7	Energy Exchange and Light Quality Measurements Needed	88
4.8	Instrument Towers Needed in Reference Stands	89
4.9	Other Research in and Around the Eight Reference Stands	90
5.	REFERENCES CITED	93
6.	APPENDIX (Separate Volume)	0
6.1	1982 Quantitative Data for Reference Stands: Computer Print-Out	0
6.2	Annotated List of Color Slides	270
6.3	Color Slides	276

1. INTRODUCTION

1.1 BACKGROUND REVIEW

The rationale for and major objectives of the SEADYN Project have been stated in the first report (La Roi and Ostafichuk 1982a) and will not be repeated here. The primary purpose of the project is to monitor and describe the short- and long-term structural dynamics of eight boreal forest ecosystems on three important habitat types in the Southern Boreal Taiga Subzone of north central Alberta. 'Structural dynamics' includes temporal variations of any quantitative variable of the ecosystem, e.g., plant community leaf area, *Populus tremuloides* shoot cover, air temperature at 50 cm above-ground, soil moisture content at 15 cm depth, bird species richness.

The purpose of this second report is to provide a brief account of progress made toward achievement of project objectives during 1982-83, with emphasis on new initiatives and methodology and on some of what now appear to be the more important results obtained so far. A comprehensive summary report will be produced at the completion of the first 5-year phase of the project in 1986.

The Hondo - Lesser Slave Lake study area and its eight reference stands were described in the first report (La Roi and Ostafichuk 1982a, hereafter = 'First Report').

1.2 SEADYN PROJECT STUDIES CONTINUED IN 1982

All of the 10 major objectives initiated in 1981 (nos. 1,2, 4,5,6,7,8,10,11,12,14 in First Report: 1.3.2) were continued in 1982. Changes in methodology, if any, are specified in the Methods section (2.); otherwise it may be assumed that methods used in 1981 and described in the First Report were also used in 1982.

1.3 SEADYN PROJECT STUDIES INITIATED IN 1982

Two of the 14 major objectives listed in the First Report (nos. 3,13) but not initiated in 1981 were started in 1982:

(3) Validate and improve allometric equations for estimation of shoot biomass and leaf area of vascular plant species populations in the eight reference stands.

(13) Measure forest litter-fall biomass at monthly intervals during the snow-free season in the eight reference stands for a period of five years.

Three new major objectvies were initiated in 1982:

(15) Describe the floristic composition and species structure of the epiphytic lichen community on trees in the eight reference stands.

(16) Assess the biomass, morphology and distribution of above- and below-ground live parts of the major vascular plant species in the eight reference stands.

(17) Describe the seasonal dynamics of the avifauna by recording the presence and abundance of bird species at monthly intervals during the snow-free season in the eight reference stands.

The Methods section (2.) describes the techniques and procedures used to implement these objectives in 1982. The Results section (3.) gives a representative sample of data collected and analyzed in 1982-83.

2. METHODS

2.1 REVIEW

Unless stated to the contrary below, methods and procedures followed in 1981 and described in the First Report were used in essentially unmodified form in 1982.

2.2 PHENOLOGICAL OBSERVATIONS

2.2.1 Vascular Plants

Of the two strategies employed for phenological observations on vascular plants in 1981 (First Report section 3.4), i.e., (1) laboratory measurements on specimens collected from designated harvest areas adjoining the reference stands and preserved at frequent intervals during the snow-free season, and (2) field measurements on five number-tagged live specimens per species in each reference stand at frequent intervals during the snow-free season, the first was continued and the second not used in 1982.

Although the number-tagged individual plant method provided much useful information on the growth and developmental morphology of individual plants, it was extremely time-consuming (labor intensive), not readily amenable to quantitative analysis, and inefficient in following the reproductive phenology of many plant populations in which the ratio of fertile:sterile plants is very low.

Field observations of phenological development were made on a population basis in 1982. Depending upon availability, up to three populations of each species were located and mapped around the inside periphery of each reference stand. At weekly intervals from early May to August, observers estimated the percent of individuals in each population which fell into a particular phenological phase of vegetative and reproductive development. Since the same populations will be monitored during the snow-free seasons of succeeding years, annual fluctuations as well as intra-seasonal patterns of phenological behavior will be assessed and compared among stands of differing age and habitat type.

Table 1 gives the classification system used for field observations of vegetative development, i.e., 'phenophases' *sensu* Lieth (1970), in 1982.

2.2.2. Bryophytes and Lichens

A study of the vegetative growth rates of several major moss and lichen species was begun in 1982. The species selected were the three top-ranked bryophytes and/or lichens in the dominance hierarchy (see First Report sections 1.2 and 4.4.3) for each of the eight reference stands. In June 1982 populations of the three dominant species were found in areas adjoining the reference stands and marked and monitored for thallus growth for the remainder of the summer, using the 'cranked wire' technique of Clymo (1970) described by Busby (1976). Appendix sections 6.2 and 6.3 include an annotated color slide of a typical set-up.

Although the 1982 data have not been analyzed it is evident that some refinements of the technique are needed to obtain more consistent and dependable measurements of vegetative growth. These improvements will be implemented in 1983.

2.3 ABOVE- AND BELOW-GROUND PLANT MORPHOMETRY

2.3.1 Vascular Plants

During the summer of 1982 Mr. Wayne Strong systematically excavated specimens of the major vascular plant species in areas adjoining the eight reference stands. The specimens were washed, photographed, dissected, oven-dried (65°C), weighed and measured, giving quantitative data on morphology and biomass allocation to above- and below-ground parts. The results of this work will be published in papers co-authored by Strong and George La Roi and constitute an important part of Mr. Strong's Ph.D. thesis.

In late summer of 1982 a team of SEADYN workers excavated 12 trees of varying size and age from areas adjoining the reference stands, then photographed and dissected them into appropriate

Table 1. Modified classification system[a] for field observations of vegetative and reproductive phenological phases of vascular plant species in the Hondo - Lesser Slave Lake area of north central Alberta.

1. Vegetative Shoot (bud, stem, leaves)

A. Herbaceous Forbs and Graminoids

0 - plant dormant; no above-ground live
1 - shoot or leaves emerging from soil; leaves v small and rolled or folded
2 - immature leaves present
3 - mature leaves present
4 - senescing leaves present
5 - shoot dead

B. Evergreen and Wintergreen Forbs and Graminoids

0 - shoot dormant but some of previous year's leaves green
1 - very small new leaves visible
2 - new leaves immature
3 - new leaves mature
4 - old leaves senescing
5 - shoot has ceased vegetative growth; only mature leaves present

C. Needle-leaf Evergreen and Deciduous Shrubs and Trees

0 - buds dormant; evergreen foliage mature
1 - buds swollen but scales cover leaves
2 - needles emerging; green visible; pine shoots in 'candle' stage
3 - needles fully elongated but soft and frost-sensitive and lighter color
4 - needles mature and frost-hardy
5 - oldest leaf cohorts becoming desiccated and falling; larch needles yellowing
6 - oldest leaf cohorts and larch needles falling rapidly
7 - oldest leaf cohorts and larch needles completely shed

D. Broad-leaf Deciduous Shrubs and Trees

0 - buds dormant; old leaves shed and decomposing or a few attached/crisped
1 - buds swollen but scales cover leaves
2 - green leaves visible but v small and often folded or rolled
3 - leaves half elongated; supporting shoot elongating rapidly
4 - leaves fully expanded but soft and frost/drought-sensitive
5 - leaves mature and of normal color and texture; shoot elongation complete

continued ...

Table 1. Concluded.

6 - leaves beginning to yellow/desiccate; some have fallen
7 - all leaves yellow/desiccated; many have fallen
8 - most leaves have fallen; a few remain attached and turgid
9 - all leaves fallen; many still turgid on ground

E. Broad-leaf Evergreen Shrubs and Trees

0 - buds dormant; evergreen foliage mature
1 - buds swollen but scales cover leaves
2 - green leaves visible but v small and often folded or rolled
3 - leaves half elongated; supporting shoot elongating rapidly
4 - leaves fully elongated but soft and frost/drought-sensitive
5 - leaves mature and of normal color and texture; shoot elongation complete
6 - oldest leaf cohorts desiccating and falling
7 - oldest leaf cohorts completely shed

2. Reproductive Structures

A. Angiosperms with "Showy", Perfect Flowers

00 - no new floral buds visible and previous year's plant sterile
0 - no new floral buds visible but previous year's plant fertile
1 - floral buds visible but closed
2 - floral buds open
3 - floral parts desiccating-falling off
4 - immature fruit present
5 - ripe fruit present
6 - shedding seeds, fruits dehiscing
7 - no fruit produced

B. Plants with Unisexual Flowers, Cones, Sori, Strobili

00 - no new floral buds visible and previous year's plant sterile
0 - no new floral buds visible but previous year's plant fertile
1 - reproductive structures visible but immature (closed)
2 - reproductive structures open - pollen, spores shed when wind agitated
3 - staminate flowers, catkins or microsporangia desiccating or dead
4 - immature fruit present (cones, pistillate catkins)
5 - fruit mature
6 - shedding seeds
7 - no fruit produced

[a] Compare with system used in 1981 (First Report, Table 1).

above- and below-ground components (roots, boles, branches, foliage, fruits, epiphytes, etc.) from which samples were taken for oven-dry weight determinations. The results of this work are being used by Mr. Strong (see above) and compared with other tree biomass measurements made in northern Alberta as a precursor to more intensive studies of tree population parameters in the reference stands in the future.

2.3.2 Epiphytic Lichens

Lichens growing on trees were not assessed quantitatively during the monthly surveys of plant communities in reference stands in 1981 and 1982. Subjective observations of epiphytic lichens, however, suggest that they may constitute an important component of total primary production and, hence, deserve inclusion in future quantitative observations in reference stands.

Accordingly, during the summer of 1982 epiphytic lichen species were collected and identified from all stands to document this component of the total lichen flora. Mike Ostafichuk will publish these compositional data in a future SEADYN contribution.

The epiphytic lichen component of harvested tree specimens was separated and weighed (see section 2.3.1 above) and sorted into major species groupings in late summer of 1982. The results of this preliminary investigation will indicate the location and approximate magnitude of the epiphytic lichen biomass in reference stands as a guide for future studies.

In early June of 1982 one 71 x 71 cm (0.5 m^2) microplot was placed in the SW corner of 25 5 x 5 m plots of rows 1,3,5,7,9 and columns A,C,E,G,I (see Figure 3 in First Report) in each of the eight reference stands, and estimates of the cover of fallen epiphytic lichens made within them. All of this epiphytic lichen litter was then collected and bagged for laboratory analysis (e.g., species identification, sorting, weighing). The harvest of June 1982 represents epiphytes and associated litter from an undefined period of time. Similar collections will henceforth be made in the same 25

microplots in June of succeeding years to estimate annual epiphytic lichen litter-fall in the eight reference stands. Epiphytic lichens are also collected from litter-traps in the monthly forest litter-fall measurements (see section 2.4 below).

2.4 FOREST LITTER-FALL MEASUREMENTS

In June of 1982 Mr. James Fyles installed standard 0.5 x 0.5 m (0.25 m^2) nylon screen mesh forest litter-traps on posts 0.5 m above ground in the centers of 10 5 x 5 m squares randomly chosen from the 25 un-surveyed squares in the observation rows of each reference stand (i.e. from squares B,D,F,H,J in rows 0,2,4,6,8; see Figure 3 in First Report). Appendix sections 6.2 and 6.3 include an annotated color slide of a litter-trap in operation.

Forest litter-fall, including all categories of organic detritus present in the trap, was collected and bagged at monthly intervals by Mr. Fyles, then air-dried for later analysis in the laboratory (e.g., sorting and weighing components, foliar nutrient and energy determinations). These collections began in late June and continued into late autumn, when the litter traps were removed from their posts and placed on the ground surface for the duration of the winter of 1982-83, after which they will be collected for the total winter litter-fall interval, and re-mounted on posts for the 1983 snow-free season.

Forest litter-fall data will provide a quantitative empirical record of the fate of dead plant material and seed produced by the trees and taller shrubs of reference stands on a monthly, seasonal and annual basis (see section 5.3 in First Report). Such data will also be used as part of the Ph.D. thesis of Mr. Fyles. Portions of his thesis will be published as SEADYN contributions in the future.

2.5 POPULATION AGE-STRUCTURE OF TREE SPECIES

Following completion of stem-mapping of tree populations (see Methods section 3.5 in First Report) in the reference stands

in early July of 1982, a stratified random sample of 25 tagged trees per stand was chosen for additional measurements of height and age. Species were sampled in proportion to their relative density in the tree diameter-classes found in the stands. Heights were measured with Suonto clinometers. Ages were estimated from ring-counts made on increment cores taken at 30 cm above-ground, mounted in core--holders and examined under microscope in the laboratory.

Relationships between age, diameter and height were assessed using correlation and regression analyses, as a possible method of generating acceptably accurate age-structures for tree populations from stem-map inventory data, i.e., without comprehensive collections of increment cores from all trees in reference stands.

2.6 PHOTOGRAPHIC DOCUMENTATION

Microplot photos were taken at monthly intervals during the 1982 snow-free season as per Methods section 3.8 in the First Report.

Lateral, oblique-ground and vertical-up 35 mm color photos were taken from 9 to 12 hand-held fixed positions (usually over labelled corner posts of 5 x 5 m squares) at fixed angles and compass bearings in each reference stand at monthly intervals during the snow-free season in 1982. This time-lapse photography has become an integral part of the regular monthly surveys of plant communities (see Methods section 3.3 in First Report) and will be continued in subsequent years.

A variety of film types and film speeds were used for both microplot and stand photos in 1982; Kodachrome slides were generally superior to Ektachrome slides. See Appendix sections 6.2 and 6.3 for examples of both microplot and stand time-lapse photo series.

2.7 SEASONAL DYNAMICS OF THE AVIFAUNA

A systematic audio-visual survey of bird species was completed eight times by Mrs. Nanci La Roi during the 1982 snow-free season, commencing on 6 May and terminating on 10 October. Sight and/or sound records of birds at the four corners of each reference

stand were made according to a rotating time schedule such that time--based bias was minimized. Activities of sight-recorded birds were noted (e.g., nest-building, feeding, courting). Birds flying far above the reference stands were not tallied. One tape recording session was completed (Dan Gibson parabolic microphone, Uher tape deck) during the peak of the warbler nesting period (17 and 18 June) to document species identities and presence in stands. Data analysis was undertaken in the laboratory during the winter of 1982-83. Preliminary findings are given in Results section 3.11.

2.8 DATA COLLECTION, STORAGE, RETRIEVAL AND USE

This topic is covered in detail in the First Report (section 3.9). Appendix section 6.1 includes a computer print-out of quantitative data from all monthly surveys of vascular plant, bryophyte, and lichen communities during the 1982 snow-free season. Copies of these and other SEADYN project data may be obtained on request from the authors and from its supporting agencies and organizations (see Acknowledgements). Mr. Bill Lee is the programmer-analyst for the SEADYN Project and is responsible for planning and executing all data-handling aspects.

3. RESULTS

3.1 AGES AND ORIGINS OF REFERENCE STANDS

Table 3 in section 4.2 of the First Report gave the estimated ages and stand origin dates of the reference stands based on ring counts of 30 increment cores and wedges sawn from fire--scarred trees, where present, in areas adjoining each stand. As part of the exploratory sampling for tree population age-structure in 1982 (see sections 2.5, 3.8), new estimates of stand age became available from trees cored within the stands (Table 2).

Stand age ranged from 42 to 128 years on the *Picea glauca* [*Pinus banksiana*] habitat type, from 73 to 128 years on the *Picea glauca* [*Populus tremuloides*] h.t., and from 62 to 128 years on the *Picea mariana* [*Larix laricina*] h.t. It now appears that the three oldest reference stands all originated after the same extensive wildfire in 1854; hence each represents a chronologically equivalent stage of stand development and plant succession. Stand no. 2 is now believed to be 62 years old rather than 53 years as estimated in 1981.

More detailed analyses of tree population age-structure are planned for 1983, so the data in Table 2 are again subject to revision.

3.2 SOILS OF REFERENCE STANDS

Table 4 in section 4.3 of the First Report gave preliminary classification and analytic properties of the soils in the reference stands based on seven pits excavated near each stand. Numerous physical and chemical analyses are being performed on soil horizon samples from these and other pits around and inside the stands by Mr. James Fyles and Mr. Wayne Strong in conjunction with their Ph.D. research objectives. The results of these analyses will be published in future SEADYN contributions by these workers. See also section 2.9.2 below for information on soil moisture and temperature.

Table 2. Estimated ages and stand origin dates of the eight SEADYN reference stands located in the Hondo - Lesser Slave Lake area of north central Alberta. Based on a representative sample of 25 increment cores per stand taken 35 cm above ground.

Habitat Type	Reference Stand Number	Stand Age[a] in 1982	Stand Origin Date
Picea glauca [*Pinus banksiana*]	1	42	1940
	2	62	1920
	3	82	1900
	4	128	1854
Picea glauca [*Populus tremuloides*]	5	73	1909
	6	128	1854
Picea mariana [*Larix laricina*]	7	62	1920
	8	128	1854

[a] Stand age was determined from the oldest trees of post-fire cohorts, i.e., not including scarred and un-scarred survivors of the fire which initiated the stand. Since cores were taken 35 cm above ground their ring counts under-estimate true stand age. To attempt to correct for this bias the following numbers of years were added to ring counts: *Populus tremuloides, P. balsamifera* + 2 yrs; *Larix laricina* + 3 yrs; *Betula papyrifera, Pinus banksiana* + 5 yrs; *Abies balsamea, Picea glauca, P. mariana* + 7 yrs.

3.3 MONTHLY SURVEY OF PLANT COMMUNITIES DURING THE SNOW-FREE SEASON

As in 1981, six monthly surveys of the plant communities in the eight reference stands (see First Report section 3.3) were completed in 1982, starting on 7 May and ending on 10 October. In this section we provide complete data for each of the 1982 monthly surveys, a synthesis table for the August 1982 survey, and selected plant community attributes of each reference stand for each of the monthly surveys.

We again chose to use August data in the synthesis table to facilitate comparison of the composition and structure of (1) the eight reference stands in late summer of 1981 and 1982, (2) the four Hondo - Lesser Slave Lake stands on aeolian parent materials (nos. 1-4) with 16 ecologically analogous, *Pinus banksiana* - dominated reference stands in the Athabasca Oil Sands region of northeastern Alberta, which were also surveyed in August 1981 and 1982 (La Roi and Ostafichuk 1982b, Ostafichuk and La Roi 1983).

3.3.1 1982 Quantitative Data for Reference Stands

The Appendix volume of the unabridged version of this report (section 6.1) contains a complete set of computer-filed and -printed quantitative data for all monthly surveys made in the eight reference stands in 1982. Also included are computed plant community attributes, computer-plotted species structure curves and species dominance hierarchies, and other information arising from the surveys. These data are organized in a format that is largely self-explanatory but should be used in conjunction with the First Report (section 3.3) in which survey methods are described in detail. Quantitative data from 1981 have been computer-filed in the same format, as will data from the next three years of the project. Mr. Bill Lee, programmer-analyst for the SEADYN Project, is responsible for the execution of this vital, computer-aided data storage, retrieval, and use component (see First Report section 3.9 and section 2.8 above).

3.3.2 August 1982 Synthesis Table

Table 3 is a synthesis derived from August 1982 survey data in the Appendix volume which permits efficient comparison and interpretation of plant communities, growth-forms, species, and reference stands. For each of eight reference stands Table 3 gives (1) the estimated total cover % (in italics) of the five major vascular and two major bryoid growth-form groups, and (2) the estimated mean cover % of each species, on the dates of the respective vascular plant and bryophyte-lichen surveys. Species are arranged in order of their ecological associations with the three habitat types, beginning with those restricted to well drained aeolian sands and ending with those restricted to poorly drained peatlands.

Discussion section 4.1 compares some of the August 1981 and August 1982 plant community survey data.

3.3.3 Plant Community Attributes of Reference Stands in August 1982

Table 4 gives the total cover (%), species richness (R), dominance (D), diversity (H'), maximum diversity (H_{max}), and evenness (E) (see definitions in First Report section 1.2) of the vascular plant community and terrestrial bryophyte and lichen community in each of the eight reference stands when they were surveyed in August 1982.

Comparable plant community attributes for all six monthly surveys appear in the Appendix volume (section 6.1) together with 96 species structure curves and species dominance hierarchies (see definitions in First Report sections 1.2 and 4.4).

3.4 SHOOT COVER DYNAMICS OF VASCULAR PLANT SPECIES POPULATIONS IN 1981 and 1982

In the First Report (section 4.5, Figure 5) we plotted the estimated mean % cover of 15 vascular plant species populations in selected reference stands in August 1980 and at monthly intervals

[text resumes p 25]

Table 3. Synthesis table showing the estimated % cover of major plant growth-forms[a] and species in the eight reference stands of the Hondo - Lesser Slave Lake area in north central Alberta (August 1982). Complete data from all monthly surveys in section 6.1, Appendix.

GROWTH-FORM	Reference Stand Number							
Species	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
TREE	*9.70*	*12.42*	*22.05*	*46.72*	*28.48*	*31.33*	*22.81*	*27.44*
Pinus banksiana	9.68	12.44	19.40	.84	.	.	.	.
Populus tremuloides	.004	.004	.38	.92	8.28	5.43	.	.
Picea glauca	.02	.02	1.80	20.00	19.90	13.20	.	.
Betula papyrifera	.	.	.11	.64	.28	.32	.	.
Abies balsamea	.	.	.04	22.20	.	12.30	.	.
Populus balsamifera	.	.	.	.	.02	.08	.	.
Picea mariana	.	.	.32	2.12	.	.	21.60	27.20
Larix laricina	.	.	.	.	.	.	1.21	.24
SHRUB	*27.34*	*31.24*	*16.02*	*0.75*	*6.17*	*11.76*	*14.92*	*7.60*
Arctostaphylos uva-ursi	17.20	12.70	.69	.	.	.	.	.
Amelanchier alnifolia	.61	.64	.008	.	.04	.10	.	.
Shepherdia canadensis	.09	1.09	.	.	.	.	.	.
Prunus pensylvanica	.09	.32	.46	.	.	.004	.	.
Prunus virginiana	.05	.	.	.	.	.	.	.
Rosa woodsii	.	.	.	.	.	.	.	.
Rosa acicularis	.46	2.64	2.26	.02	1.48	2.50	.	.36
Vaccinium myrtilloides	.95	1.43	1.70	.18	.	.	.	.03
Vaccinium vitis-idaea	6.80	7.81	.99	.0008	.008	.004	.14	.50
Alnus crispa	1.02	4.46	8.46	.	.	.	.	.

continued...

Table 3. Continued

GROWTH-FORM	Reference Stand Number							
Species	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Rubus strigosus	.03	.07	1.05	.004	.	.24	.	.
Salix bebbiana	.004	.08	.	.	.	.	.	.02
Lonicera dioica	.	.	.004	.05	.23	.08	.	.
Viburnum edule	.	.	.004	.46	2.98	3.18	.	.
Lonicera involucrata	.	.	.	.	1.06	5.12	.	.38
Ledum groenlandicum	.	.	.38	.02	.	.04	5.20	5.76
Ribes triste	.	.	.	.008	.34	.40	.	.
Ribes glandulosum	.	.	.	.	.008	.	.	.
Vaccinium caespitosum	.	.	.	.008	.	.	.	.
Ribes lacustre	.	.	.	.	.02	.07	.	.
Symphoricarpos albus	.	.	.	.	.004	.03	.	.
Betula pumila	.	.	.	.	.	.	3.74	.
Salix myrtillifolia	.	.	.	.	.	.	1.90	.54
Salix candida	.	.	.	.	.	.	.58	.
Salix pedicellaris	.	.	.	.	.	.	.90	.
Salix glauca	.	.	.	.	.	.	.004	.
Salix arbusculoides	.	.	.	.	.	.	.10	.
Oxycoccus microcarpus	.	.	.	.	.	.	.84	.006
Andromeda polifolia	.	.	.	.	.	.	1.50	.
Lonicera villosa	.	.	.	.	.	.004	.02	.02
Forb	*2.68*	*4.38*	*19.39*	*4.28*	*38.83*	*33.47*	*4.99*	*2.38*
Antennaria racemosa	.004	.	.	.	.	.	.	.
Artemisia campestris	.0008	.	.	.	.	.	.	.
Solidago decumbens	.09	.21	.	.	.	.	.	.

continued...

Table 3. Continued

GROWTH-FORM *Species*	Reference Stand Number							
	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Erigeron glabellus	.04	.22	.	.	.	.	.	.
Aster laevis	.56	.89	.	.	.	.	.	.
Viola adunca	.04	.06	.008	.	.	.	.	.
Lilium philadelphicum	.	.004	.0004	.	.	.	.	.
Anemone patens	.04	.06	.004	.	.	.	.	.
Anemone multifida	.07	.10	.004	.	.	.	.	.
Hieracium canadense	.03	.01	.02	.	.0004	.01	.	.
Maianthemum canadense	.55	.82	3.14	.44	.76	.24	.	.
Galium boreale	.17	.14	.09	.04	.37	.23	.	.01
Geocaulon lividum	.08	.59	.12	.004	.	.	.01	.02
Fragaria virginiana	.03	.	.14	.04	.34	.26	.	.
Pyrola virens	.06	.02	.02	.08	.	.0008	.	.
Pyrola secunda	.008	.02	.17	.05	.02	.008	.07	.
Campanula rotundifolia	.02	.02	.007	.	.	.	.13	.006
Achillea millefolium	.004	.	.	.	.05	.07	.	.
Epilobium angustifolium	.	.	.34	.	.38	.28	.	.
Linnaea borealis	.88	.48	3.64	1.45	8.70	5.40	.004	.49
Aralia nudicaulis	.	.48	10.18	.56	7.85	7.88	.	.
Melampyrum lineare	.	.26	.	.	.	.	.	.
Rubus pubescens	.	.	.26	.07	2.96	2.68	.	.
Viola renifolia	.	.	.20	.06	.97	.72	.	.
Actaea rubra	.	.	.004	.004	.11	.24	.	.
Cornus canadensis	.	.	1.04	1.09	5.20	3.98	.	.08
Trientalis borealis	.	.	.	.20	.29	.14	.	.
Goodyera repens	.	.	.0004	.14	.02	.004	.	.

continued...

Table 3. Continued

GROWTH-FORM *Species*	Reference Stand Number							
	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Petasites palmatus	.	.	.	.04	1.11	1.52	.	.23
Mitella nuda	.	.	.	.01	3.28	2.64	.03	.02
Mertensia paniculata	.	.	.	.004	3.26	4.30	.	.
Aster ciliolatus	.	.	.	.	2.26	2.05	.	.004
Aster conspicuus	.	.	.	.	.44	.21	.	.
Pyrola asarifolia	.	.	.	.0004	.29	.15	.	.
Galium triflorum	.	.	.	.	.08	.08	.	.
Lathyrus ochroleucus	.0004	.	.	.	.08	.14	.	.
Fragaria vesca	.	.	.	.	.	.18	.	.
Disporum trachycarpum	.	.	.	.	.	.02	.	.
Aquilegia flavescens	.	.	.	.	.	.04	.	.
Vicia americana	.	.	.	.	.004	.0004	.	.
Smilacina trifolia	.	.	.	.	.	.	2.64	.47
Menyanthes trifoliata	.	.	.	.	.	.	1.62	.
Potentilla palustris	.	.	.	.	.	.	.15	.
Orchis rotundifolia	.	.	.	.	.	.	.10	.10
Drosera rotundifolia	.	.	.	.	.	.	.04	.005
Rubus acaulis	.	.	.	.	.	.	.03	.004
Spiranthes romanzoffiana	.	.	.	.	.	.	.07	.
Parnassia palustris	.	.	.	.	.	.	.01	.
Galium labradoricum	.	.	.	.	.	.	.02	.
Tofieldia glutinosa	.	.	.	.	.	.	.04	.
Aster junciformis	.	.	.	.	.	.	.002	.
Corallorhiza trifida	.	.	.	.	.	.	.	.
Habenaria obtusata	.	.	.	.	.	.	.005	.
Petasites sagittatus	.	.	.	.	.	.	.	.20
Epilobium palustre	.	.	.	.	.	.	.02	.
Gentianella amarella	.	.	.	.	.	.0004	.	.
Rubus chamaemorus	.	.	.	.	.	.	.	.74

continued...

Table 3. Continued

GROWTH-FORM	Reference Stand Number							
Species	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Graminoid	*1.02*	*0.40*	*0.46*	*0.01*	*0.40*	*0.54*	*6.69*	*1.16*
Carex umbellata	.51	.13	.	.	.	.	.	.
Carex foenea	.0004	.006	.004	.	.	.	.	.
Oryzopsis pungens	.29	.07	.01	.	.	.	.	.
Oryzopsis asperifolia	.05	.06	.	.	.	.	.	.
Elymus glaucus	.02	.0008	.	.	.004	.004	.	.
Elymus innovatus	.15	.13	.40	.008	.02	.05	.	.01
Schizachne purpurascens	.0004	.	.04	.	.02	.	.	.
Calamagrostis canadensis	.	.	.004	.004	.35	.48	.02	.
Agropyron sp.	.	.	.	.	.	.0004	.	.
Bromus ciliolatus	.	.	.	.	.004	.004	.	.
Calamagrostis inexpansa	.	.	.	.	.	.	.	.
Carex gynocrates	.	.	.	.	.	.	2.48	.46
Carex rostrata	.	.	.	.	.	.	3.24	.06
Carex diandra	.	.	.	.	.	.	.61	.
Carex interior	.	.	.	.	.	.	.08	.
Carex limosa	.	.	.	.	.	.	.15	.
Triglochin maritima	.	.	.	.	.	.	.10	.
Carex elegans	.	.	.	.	.	.	.	.
Carex aurea	.	.	.	.	.	.	.	.14
Muhlenbergia glomerata	.	.	.	.	.	.	.01	.
Carex canescens	.	.	.	.	.	.	.	.49

continued...

Table 3. Continued

GROWTH-FORM	Reference Stand Number							
Species	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Pteridophyte	*0.28*	*0.01*	*0.58*	*0.02*	*0.02*	*0.03*	*0.19*	*0.07*
Equisetum variegatum	.06	.007	.	.	.	.	.	.
Lycopodium tristachyum	.22	.	.18	.	.	.	.	.
Equisetum arvense	.	.005	.	.002	.	.004	.	.009
Lycopodium annotinum	.	.	.34	.	.	.004	.	.
Dryopteris spinulosum	.	.	.06	.	.	.	.	.
Lycopodium obscurum	.	.	.	.008	.	.	.	.
Equisetum pratense	.	.	.	.006	.	.	.	.
Equisetum sylvaticum	.	.	.	.	.02	.018	.	.
Equisetum scirpoides	.	.	.	.	.	.	.15	.06
Equisetum fluviatile	.	.	.	.	.	.	.04	.
Bryophyte	*6.57*	*7.00*	*44.36*	*63.10*	*9.34*	*33.97*	*50.62*	*78.56*
Polytrichum piliferum	.098	.25	.	.	.	.	.	.
Ptilidium ciliare	.0004	.0044	.	.	.	.	.	.
Orthodicranum flagellare	.0004	.0012	.30	.023	.	.0028	.	.
Dicranum scoparium	.0012	.0004	.0004	.0004	.0004	.	.	.
Polytrichum juniperinum	.024	.015	.0044	.	.	.	.	.0012
Ceratodon purpureus	.0004	.0088	.	.	.	.	.	.
Pleurozium schreberi	4.63	5.25	28.60	15.96	2.18	12.36	.41	51.60
Hylocomium splendens	1.77	1.05	5.40	33.72	.86	9.44	.78	24.92
Ptilium crista-castrensis	.0004	.36	9.84	12.93	.28	7.05	.0012	.16
Dicranum polysetum	.048	.056	.19	.018	.0048	.0080	.	.29
Ptilidium pulcherrimum	.0012	.0004	.018	.17	.0060	.013	.0004	.11

continued...

Table 3. Continued

GROWTH-FORM *Species*	Reference Stand Number							
	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Hepatic sp.	.	.	.	.	.	.	.	.
Brachythecium salebrosum	.	.0016	.0084	.10	3.28	1.66	.	.
Eurhynchium pulchellum	.	.	.	.13	1.33	1.11	.	.
Plagiomnium cuspidatum	.	.	.	.052	1.22	2.09	.0004	.
Pylaisiella polyantha	.	.	.	.0004	.042	.012	.	.
Rhytidiadelphus triquetrus	.	.	.	.	.0040	.	.	.
Drepanocladus uncinatus	.	.0004	.	.0008	.12	.18	.	.
Thuidium recognitum	.	.	.	.0004	.013	.040	.	.
Aulacomnium palustre	.	.	.	.	.	.	18.20	.13
Tomenthypnum nitens	.	.	.	.	.	.	27.60	.0080
Sphagnum fuscum	.	.	.	.	.	.	1.13	.68
Sphagnum nemoreum	.	.	.	.	.	.	.11	.20
Sphagnum angustifolium	.	.	.	.	.	.	1.65	.
Sphagnum russowii	.	.	.	.	.	.	.	.
Sphagnum warnstorfii	.	.	.	.	.	.	.62	.21
Dicranum undulatum	.	.	.	.	.	.	.091	.
Drepanocladus revolvens	.	.	.	.	.	.	.019	.
Bryum pseudotriquetrum	.	.	.	.	.	.	.0080	.0004
Helodium blandowii	.	.	.	.	.	.	.0004	.
Polytrichum strictum	.	.	.	.	.	.	.	.0088
Orthotrichum speciosum	.	.	.	.0004	.	.	.	.
Amblystegium juratzkanum	.	.	.	.	.	.0008	.	.
Pohlia nutans	.	.	.	.0004	.	.	.	.

continued...

Table 3. Continued

GROWTH-FORM *Species*	Reference Stand Number							
	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
	1	2	3	4	5	6	7	8
Terrestrial Lichens	*48.96*	*37.37*	*0.05*	*0.10*	*0.11*	*0.20*	*1.25*	*3.17*
Cetraria ericetorum	.013	.011	.	.	.	.	.	.
Cetraria nivalis	.0004	.	.	.	.	.	.	.
Cladonia uncialis	.0016	.054	.	.	.	.	.	.
Stereocaulon alpinum	.0092	.	.	.	.	.	.	.
Cladonia phyllophora	.086	.15	.	.	.	.	.0004	.
Cladonia pyxidata	.006	.0008	.	.	.	.	.0008	.
Peltigera malacea	.97	1.45	.	.	.	.	.081	.0012
Cladonia coccifera	.065	.0064	.	.	.	.	.0008	.0004
Cladina stellaris	.0096	.058	.0004	.	.	.	.	.0004
Cladina mitis	47.36	35.12	.014	.	.	.0004	.75	2.21
Icmadophila ericetorum	.	.	.0004	.	.0004	.	.	.0004
Cetraria pinastri	.011	.056	.0052	.0044	.	.0020	.013	.0052
Cladonia cornuta	.015	.092	.0024	.0004	.	.0008	.030	.0028
Cladonia gonecha	.0064	.0008	.0020	.	.	.	.0004	.
Cladonia cristatella	.018	.0028	.	.	.	.	.	.
Cladonia crispata	.0012	.0024	.	.	.	.	.0004	.
Cladonia subulata	.	.	.	.	.	.	.0016	.
Cladonia furcata	.	.	.	.	.	.	.0004	.
Peltigera pulverulenta	.004	.080	.	.0084	.	.	.	.049
Cladonia capitata	.	.	.	.	.	.	.	.
Leptogium saturninum	.	.	.	.	.	.	.	.
Peltigera horizontalis	.	.	.	.006	.0080	.080	.	.
Peltigera polydactyla	.	.	.	.	.002	.0052	.11	.012
Cladonia cenotea	.012	.0004	.0008	.	.	.	.0008	.0008
Cladonia gracilis	.012	.016	.0012	.0008	.	.0012	.021	.0012

continued...

Table 3. Concluded.

GROWTH-FORM	Reference Stand Number							
	Aeolian Sand H.T.				Glacial Till H.T.		Peatland H.T.	
Species	1	2	3	4	5	6	7	8
Cladonia multiformis	.27	.20	.0004	.	.0004	.	.035	.0020
Cladonia chlorophaea	.032	.010	.0056	.052	.011	.0088	.021	.010
Cladonia coniocraea	.0012	.0020	.0092	.020	.0008	.0016	.	.
Peltigera aphthosa	.061	.053	.004	.0004	.0004	.	.16	.82
Peltigera rufescens	.0004	.	.	.010	.088	.098	.017	.045
Cladina rangiferina	.	.0004	.	.	.0004	.	.	.
Cladonia verticillata	.	.0004	.	.	.	.	.	.0004

[a] % cover of growth-forms was calculated as the sum of the mean % cover values of component species and printed in italicized numbers.

Table 4. Some plant community attributes of the eight SEADYN reference stands in the Hondo - Lesser Slave Lake area of north central Alberta. Dominance and diversity indices computed from estimated % cover of vascular plant, bryophyte, and lichen species surveyed in August 1982.[a] Attributes defined in First Report section 1.2.

Habitat Type[b]	PIGL [PIBA]				PIGL [POTR]		PIMA [LALA]	
Reference Stand Number	1	2	3	4	5	6	7	8
Vascular Plant Community								
Total Cover (%)	41.0	48.4	58.5	51.8	73.9	77.1	49.6	38.7
Species Richness (R)	42	38	45	38	45	55	41	33
Dominance Index (D)	0.26	0.17	0.17	0.34	0.13	0.09	0.22	0.52
Diversity Index (H')	1.81	2.15	2.27	1.50	2.52	2.72	2.15	1.22
Maximum Diversity (H_{max})	3.74	3.64	3.81	3.64	3.81	4.01	3.71	3.50
Evenness Index (E)	0.48	0.59	0.60	0.41	0.66	0.68	0.58	0.35
Terrestrial Bryophyte and Lichen Community								
Total Cover (%)	55.5	44.4	44.4	63.2	9.5	34.2	51.9	81.7
Species Richness (R)	34	35	21	24	22	22	33	30
Dominance Index (D)	0.74	0.64	0.48	0.39	0.22	0.26	0.41	0.49
Diversity Index (H')	0.62	0.83	0.95	1.07	1.73	1.56	1.20	0.95
Maximum Diversity (H_{max})	3.53	3.56	3.04	3.18	3.09	3.09	3.50	3.40
Evenness Index (E)	0.18	0.23	0.31	0.34	0.56	0.50	0.34	0.28

[a] Estimated % cover of species in Table 3.

[b] Full names and descriptions of habitat types in section 3.1 of First Report.

during the 1981 snow-free season. In Figure 1 we extend these graphs through the 1982 snow-free season, which ended after the October survey.

Seasonal and intra-seasonal trends of shoot cover appear to be somewhat more regular in 1982 than in 1981 and can be organized into four relatively distinct patterns.

Woody evergreen species (*Pinus banksiana, Abies balsamea, Ledum groenlandicum, Arctostaphylos uva-ursi,* and *Vaccinium vitis--idaea*) decrease in shoot cover early in the snow-free season as old leaves are shed, but recover later in the summer with the expansion of new leaves (Figure 1).

Deciduous trees and shrubs (*Populus tremuloides, Alnus crispa, Viburnum edule,* and *Betula pumila*) increase gradually in shoot cover throughout the summer, peaking just before leaf fall in autumn (Figure 1).

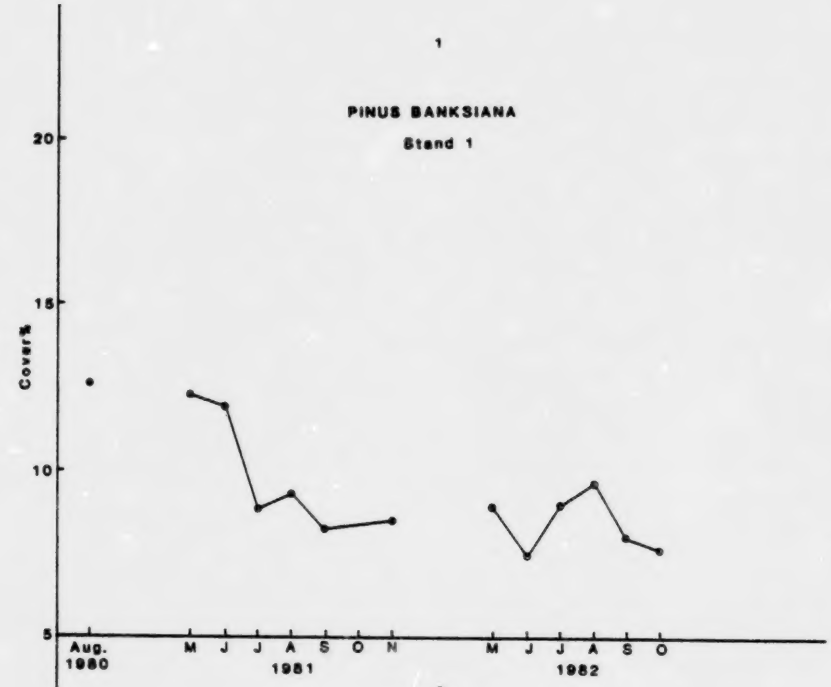
Summer-green herbs (*Maianthemum canadense, Aralia nudicaulis,* and *Epilobium angustifolium*) resemble deciduous woody species, but tend to reach a plateau of peak shoot cover earlier in the summer (Figure 1).

Ever- and winter-green herbs (*Cornus canadensis, Goodyera repens,* and *Carex gynocrates*) form a more heterogeneous category of shoot behavior in which the plants tend to maintain a relatively constant shoot cover, i.e., the losses of old leaves are compensated by the production of new leaves (Figure 1).

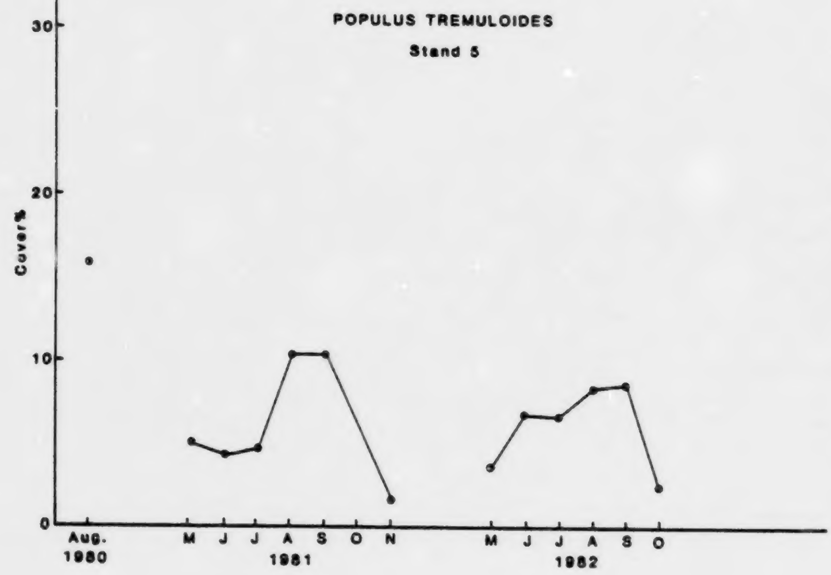
Two differences in the developmental pattern between 1981 and 1982 are common to many of the species in Figure 1: (1) with the exception of *Abies balsamea* and those summer-green herb species having no shoot cover in May, all species began the 1982 snow-free season with less cover than they had at the beginning of the 1981 snow-free season; (2) with the exception of *Pinus banksiana* and *A. balsamea*, peak shoot cover was achieved later in 1982 than in 1981. These observations suggest that some midsummer event in 1981, or perhaps physiological drought and/or nutrient deprivation caused by unusually dry weather in early and late summer of that year (see

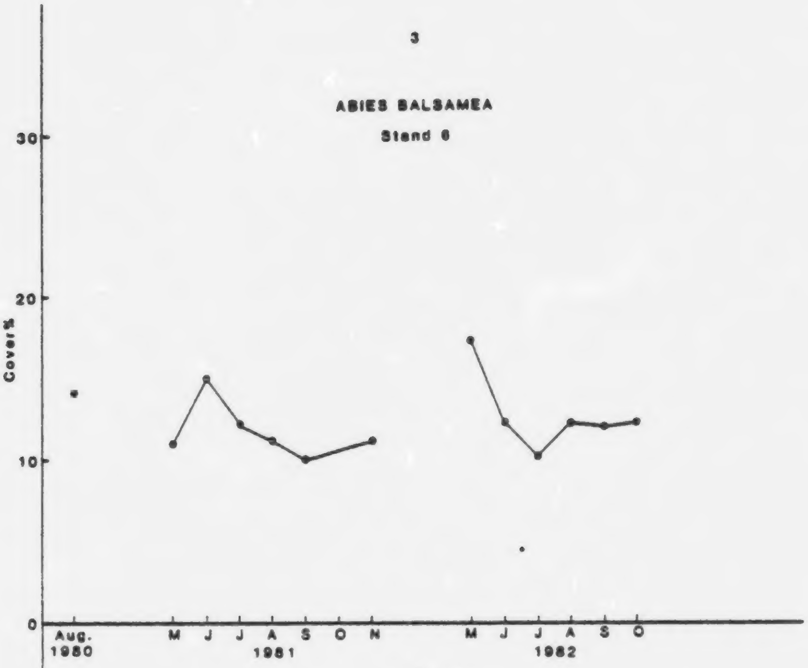
Figure 1. Shoot cover dynamics of selected vascular plant species populations in selected SEADYN reference stands in 1980, 1981, and 1982. See also Figure 5 in First Report.

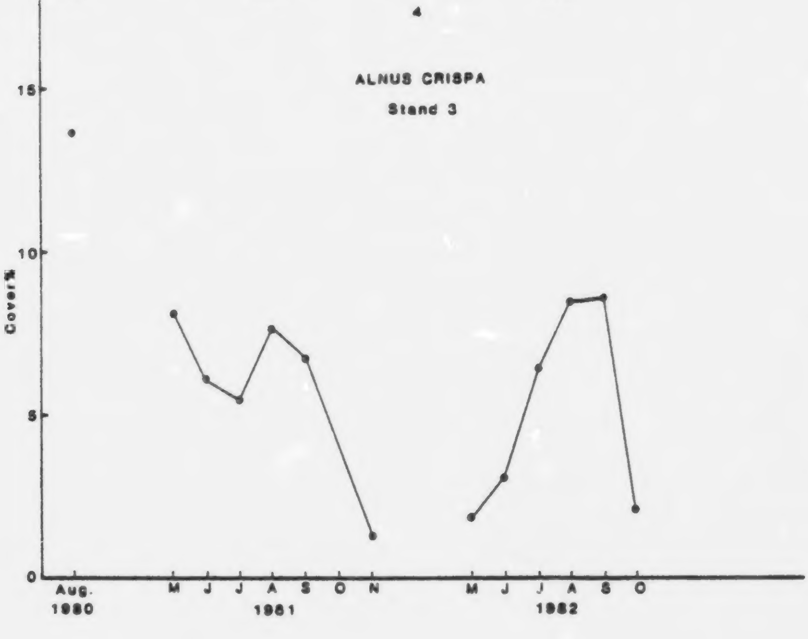
1


PINUS BANKSIANA
Stand 1
Cover%
20
15
10
5
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

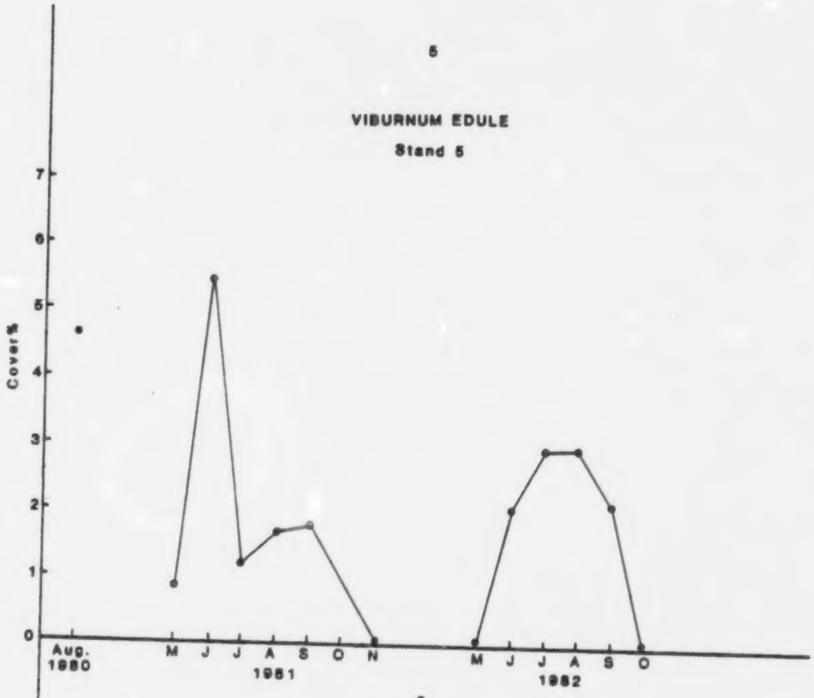
2


POPULUS TREMULOIDES
Stand 5
Cover%
30
20
10
0
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

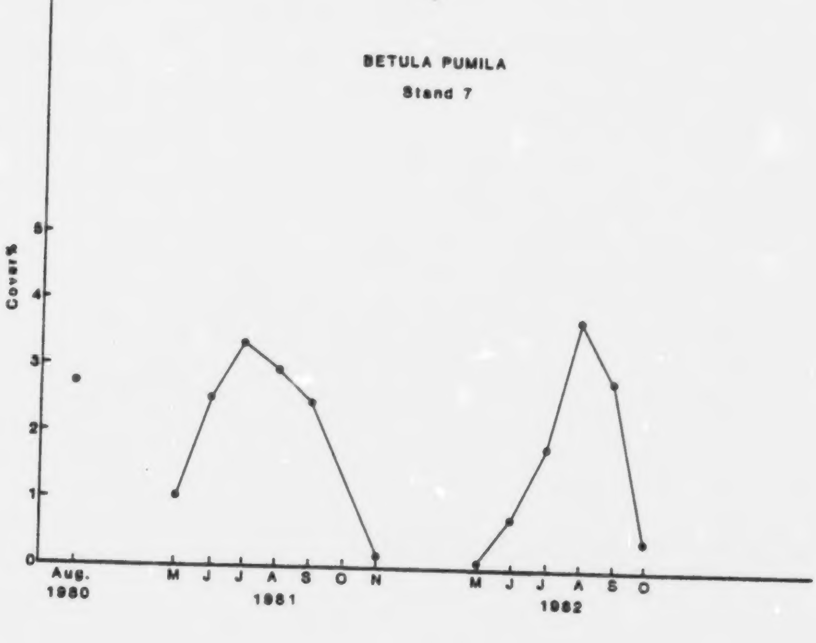

3
ABIES BALSAMEA
Stand 6
30
20
10
0
Cover%
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


4
ALNUS CRISPA
Stand 3
15
10
5
0
Cover%
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

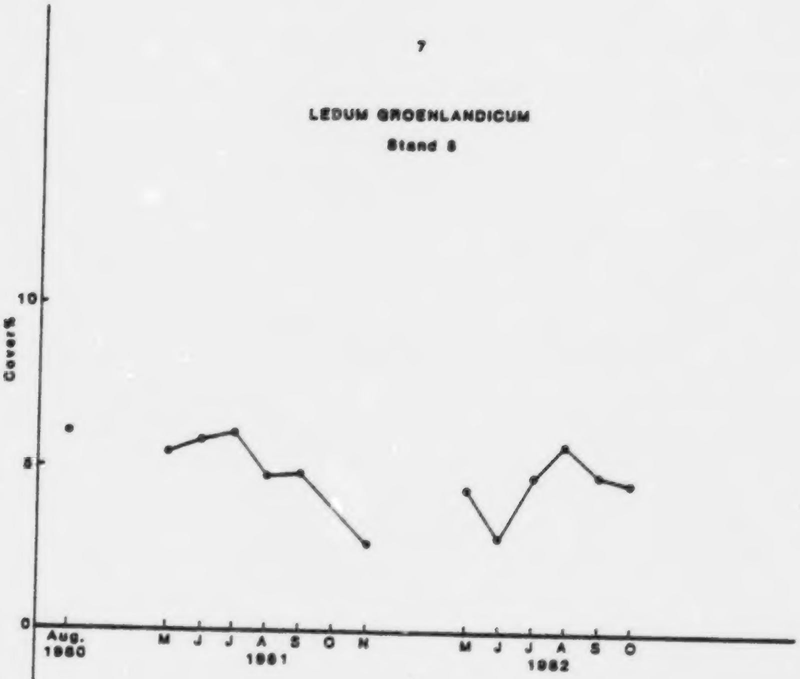
5


VIBURNUM EDULE
Stand 5
Cover%
0
1
2
3
4
5
6
7
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

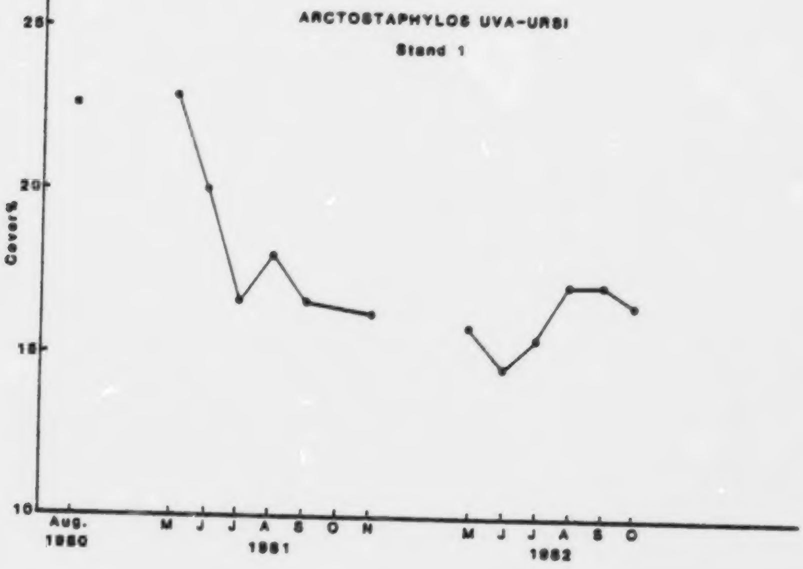
6


BETULA PUMILA
Stand 7
Cover%
0
1
2
3
4
5
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

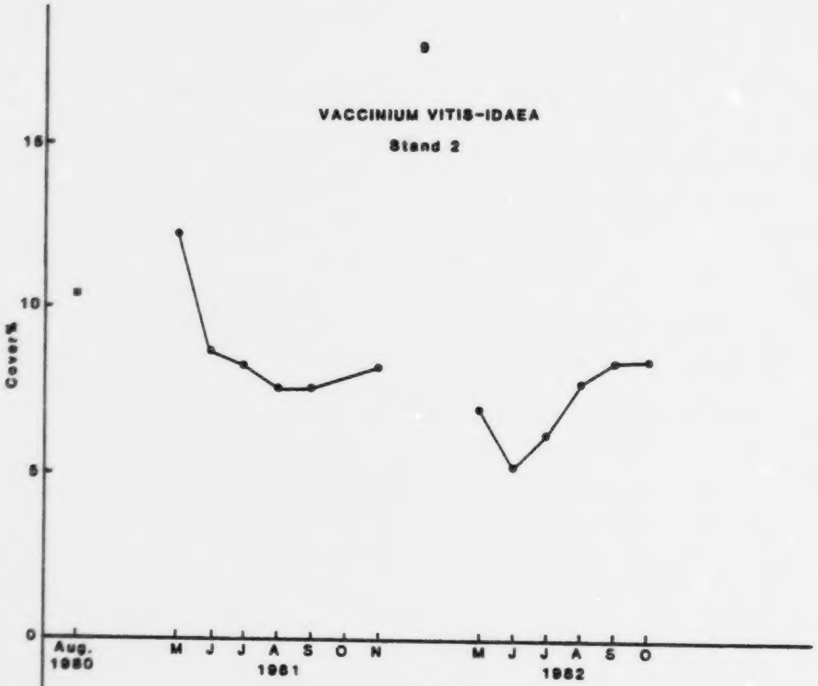
7


LEDUM GROENLANDICUM
Stand
Cover%
10
5
0
Aug.
1980
M
J
J
A
S
O
N
1981
M
J
J
A
S
O
1982

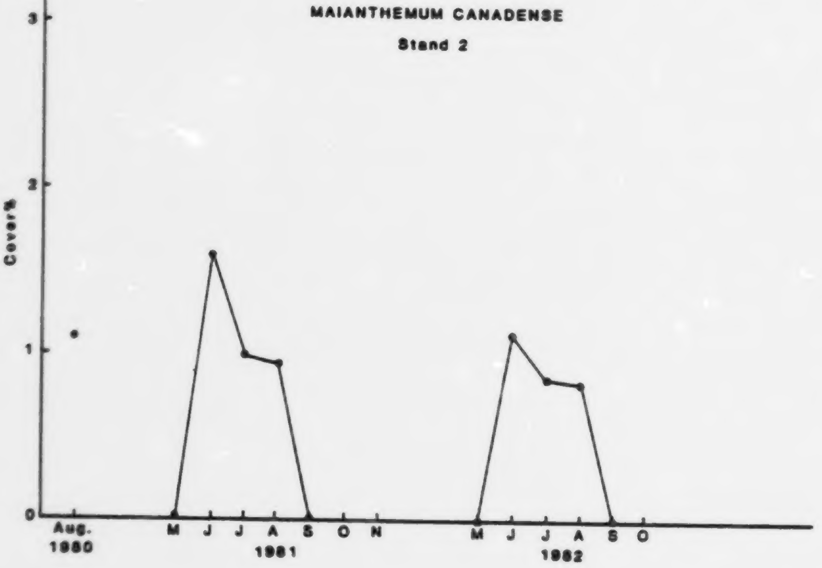
8

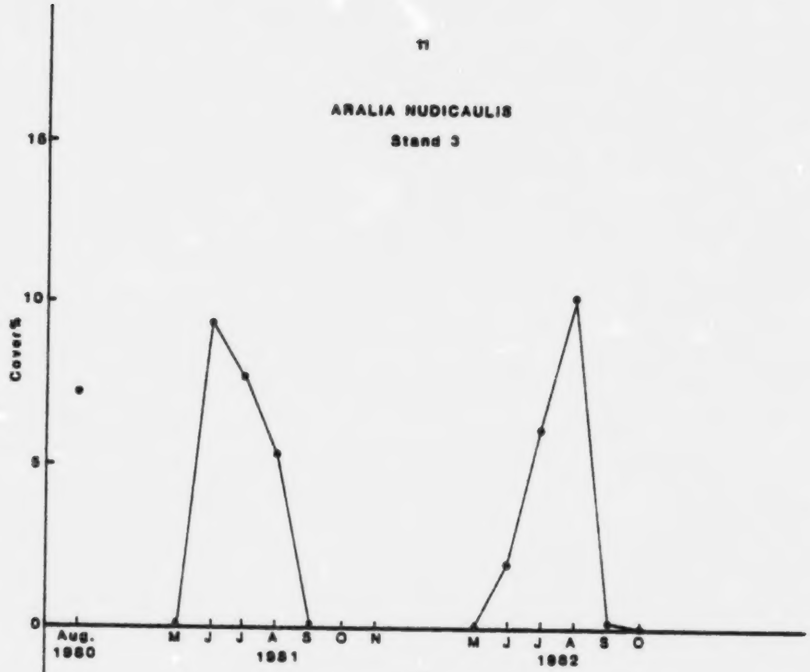

ARCTOSTAPHYLOS UVA-URSI
Stand 1
Cover%
25
20
15
10
Aug.
1980
M
J
J
A
S
O
N
1981
M
J
J
A
S
O
1982

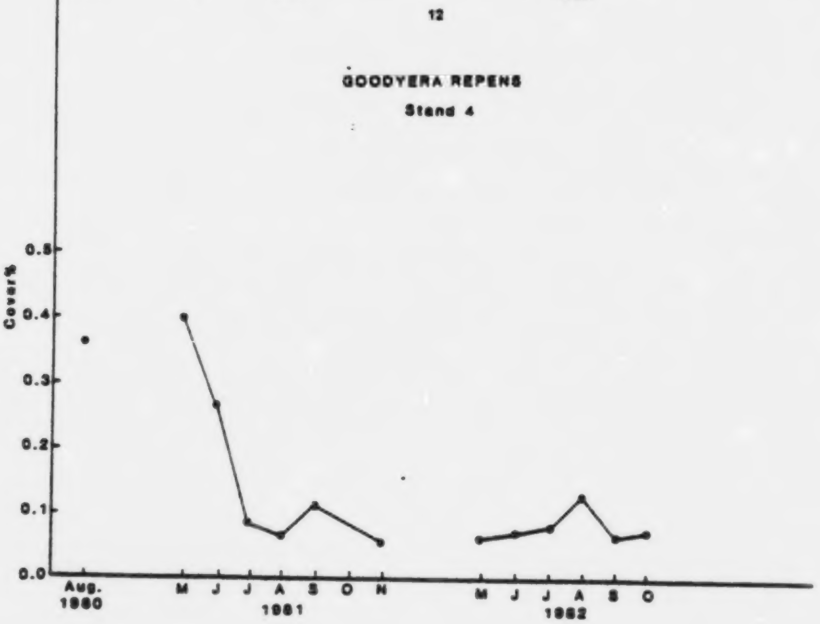
9

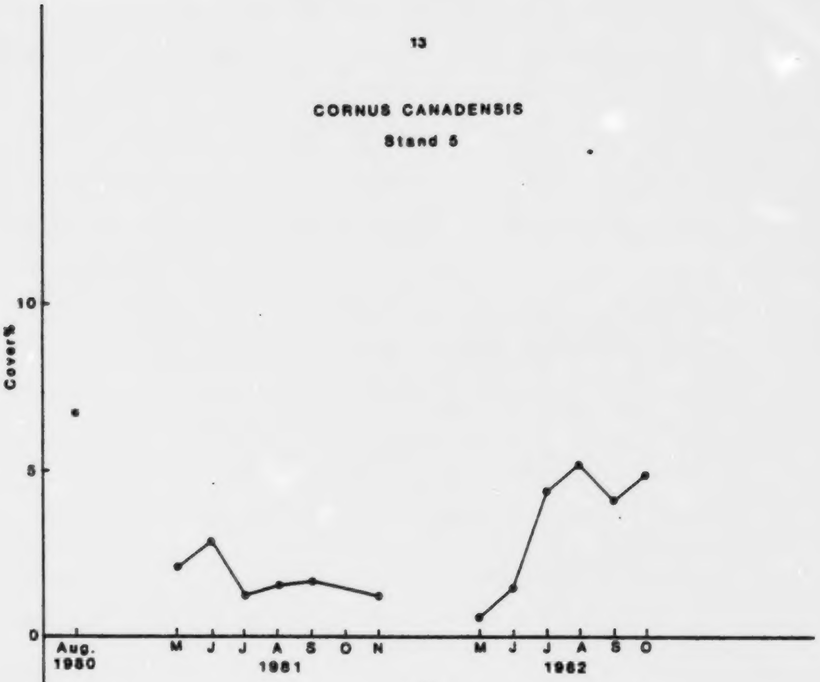

VACCINIUM VITIS-IDAEA
Stand 2
Cover%
15
10
5
0
Aug.
1980
M J J A S O N
1981
M J J A S O
1982

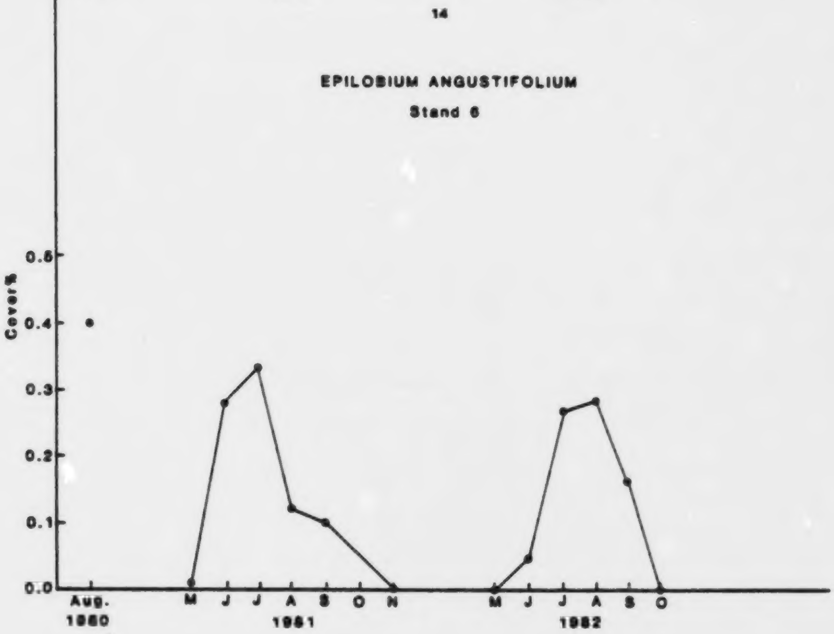
10

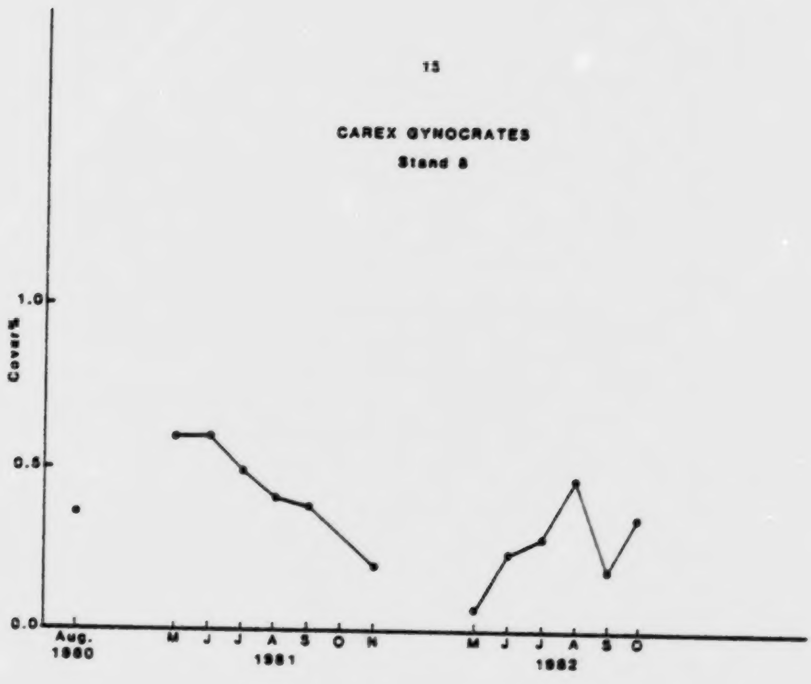

MAIANTHEMUM CANADENSE
Stand 2
Cover%
3
2
1
0
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


11
ARALIA NUDICAULIS
Stand 3
15
10
5
0
Cover%
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


12
GOODYERA REPENS
Stand 4
0.5
0.4
0.3
0.2
0.1
0.0
Cover%
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


13
CORNUS CANADENSIS
Stand 5
Cover%
10
5
0
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


14
EPILOBIUM ANGUSTIFOLIUM
Stand 6
Cover%
0.5
0.4
0.3
0.2
0.1
0.0
Aug.
1980
M J J A S O N
1981
M J J A S O
1982


15
CAREX GYNOCRATES
Stand 8
Cover%
1.0
0.5
0.0
Aug.
1980
M
J
J
A
S
O
N
1981
M
J
J
A
S
O
1982

section 3.9.1), induced several species in a number of stands to have earlier and heavier than normal shedding of leaves. This weather--induced effect would be additive to the defoliation impact of the Tent Caterpillar so obvious in the 1981 graphs for *Populus tremuloides*, *Alnus crispa*, and *Viburnum edule* (Figure 1) (see First Report section 4.5.1). Caterpillar impact was considerably less in 1982 (cf. *Viburnum edule* and *Cornus canadensis*, two preferred understory food species).

With the addition of a few more years of data a 'typical' pattern of shoot cover dynamics should emerge for each species. Deviations from that pattern might then be diagnostic of particular environmental (including biotic) influences.

3.5 PHENOLOGICAL OBSERVATIONS IN 1982

In this section we make some preliminary inferences from the population-oriented field observations of phenological development in vascular species made for the first time in 1982 (see Methods section 2.2.1).

3.5.1 Phenological Calendar

Each plant species and, at a finer level of resolution, each individual plant, has a unique phenological sequence, mediated by the interaction of its genetic make-up with its environment. Although the initiation of flowering is, to a large extent, cued by photoperiod (i.e., length of the light period), which on a given calendar date and site is the same each year, subsequent floral development may be regulated by other physical factors (temperature, moisture, etc.) or biotic factors (competition, herbivory, etc.) of the environmental complex. Similarly, vegetative budbreak in perennials is strongly influenced by photoperiod, but subsequent expansion and maturation of leaves and stems is regulated by other factors.

Hence we can expect that a 'phenological calendar' of events such as that shown in Table 5 for 1982 in the Hondo - Lesser Slave Lake study area will vary from year to year and from stand to stand depending

Table 5. Phenological calendar for selected vascular plant species of the Hondo - Lesser Slave Lake study area for the 1982 snow-free season. 'L' indicates ≥ 50% of stems have mature leaves; 'A' ≥ 50% of plants which eventually flower have flowers (anthesis); 'F' ≥ 50% of plants which eventually produce mature fruits have fruits by the dates given. See section 3.5.1.

Week Starting on:	May 8	15	22	29	Jun 5	12	19	26	Jul 3	10	17	24	Aug 1	8	15	22
Growth-Form *Species*																
Evergreen Needle-leaf Tree																
Pinus banksiana	.	.	.	.	.	A	.	.	L	.	.	.	.	.	.	.
Abies balsamea	.	.	.	.	.	L	.	.	.	.	.	.	.	.	.	.
Evergreen Broad-leaf Shrub																
Ledum groenlandicum	.	.	.	.	.	.	A	.	.	L	.	.	.	.	.	.
Vaccinium vitis-idaea	.	.	.	.	.	.	A	.	.	L	.	.	.	.	.	.
Arctostaphylos uva-ursi	.	.	.	.	A	.	.	.	.	L	.	.	.	.	F	.
Deciduous Tree and Shrub																
Populus tremuloides	.	.	.	.	L	.	.	.	.	.	.	.	.	.	.	.
Salix myrtillifolia	.	.	.	.	A	L	.	.	.	.	.	F	.	.	.	.
Rosa acicularis	.	.	.	.	.	L	.	.	.	.	.	.	.	.	.	.
Alnus crispa	.	.	.	.	.	LA	.	.	.	.	.	.	.	.	.	.
Viburnum edule	.	.	.	.	L	A	.	.	.	.	.	.	.	.	.	.
Betula pumila	.	.	.	.	.	L	.	.	.	.	.	.	.	.	.	.
Evergreen and Wintergreen Forb																
Pyrola secunda	.	.	.	.	.	.	.	.	.	LA	.	.	.	.	F	.
Linnaea borealis	.	.	.	.	.	.	.	L	A	.	.	.	.	.	.	.
Goodyera repens	.	.	.	.	.	.	.	.	.	.	.	L	A	.	.	.
Cornus canadensis	.	.	.	.	.	L	A	.	.	.	.	.	.	.	F	.
Herbaceous Forb and Graminoid																
Anemone patens	A	.	.	.	.	.	F	L	.	.	.	.	.	.	.	.
Maianthemum canadense	.	.	.	.	.	.	LA	.	.	.	.	.	.	.	.	.
Aralia nudicaulis	.	.	.	.	.	.	LA	.	.	.	.	F	.	.	.	.
Epilobium angustifolium	.	.	.	.	.	.	L	.	.	.	A	.	.	.	.	.
Carex gynocrates	.	.	.	.	A	.	.	L	.	.	F	.	.	.	.	.
Mertensia paniculata	.	.	.	.	.	LA	.	.	.	.	.	.	F	.	.	.

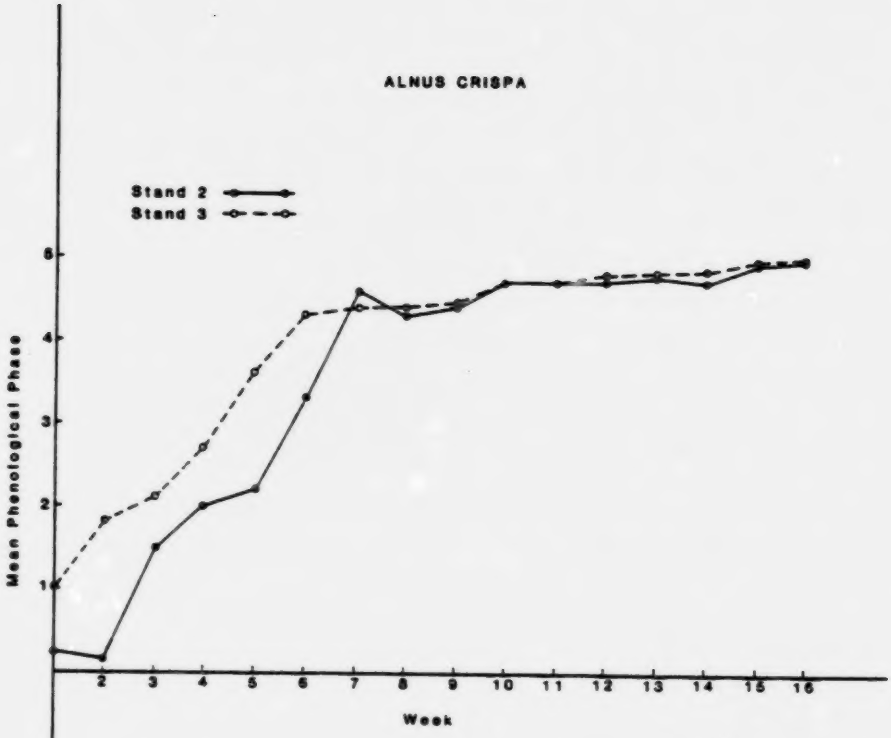
upon time-space variations in environmental conditions. Unlike the constant movement of the standard calendar, the movement of the phenological calendar varies in speed after commencing with the flowering of *Anemone patens* (prairie crocus) in spring. By simultaneously monitoring phenological events and important atmospheric and edaphic variables throughout the snow-free season (see section 3.9), we should be able to assess the relative influence of various factors in determining the speed of movement of the phenological calendar.

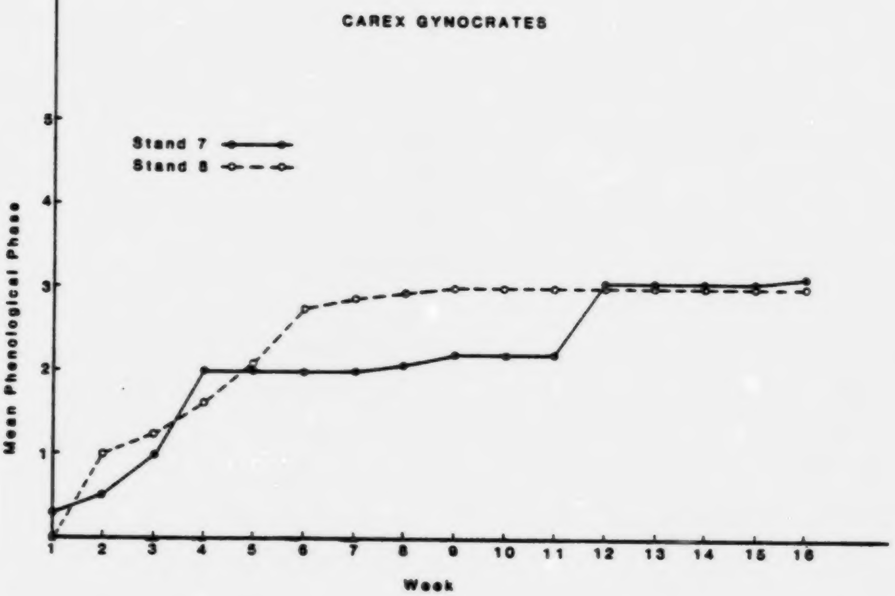
Several distinctive patterns can be seen among the 21 vascular plant species examined in Table 5. Deciduous woody species tend to complete leaf development much earlier than evergreen species, with the notable exceptions of *Abies balsamea* and *Cornus canadensis*. Most species flower in early summer. However, a few species, including three evergreens (*Pyrola secunda, Linnaea borealis,* and *Goodyera repens*), one 'pioneer' forb (*Epilobium angustifolium*), and the four *Aster* spp. (not shown), flowered in middle or late summer. Only four of the 21 species shown in Table 5 failed to flower in 1982; all four (*Abies balsamea, Populus tremuloides, Rosa acicularis,* and *Betula pumila*) are woody. Since *P. tremuloides* had been defoliated by Tent Caterpillar and *B. pumila* severely browsed by Snowshoe Hare in 1981, their failure to flower in 1982 may be due to inadequate energy reserves.

3.5.2 Variations among Reference Stands

Comparisons of mean phenological phases of the same species among different stands at different dates during the 1982 snow-free season were made. Statistically significant differences in both vegetative and reproductive phases were found. For example, *Alnus crispa* was vegetatively more advanced in stand 3 than in stand 2 for the first six weeks, but not thereafter (Figure 2). *Carex gynocrates* was vegetatively more advanced in stand 8 than in stand 7 between 5 and 12 weeks, but was not significantly different earlier or later in the season (Figure 2). Sometimes these phenological differences among stands are quite small or trivial, suggesting that environmental

Figure 2. Comparison of mean phenological phases of *Alnus crispa* and *Carex gynocrates* in selected SEADYN reference stands in 1982. <u>See</u> section 3.5 for details on methods.


ALNUS CRISPA
Stand 2
Stand 3
Mean Phenological Phase
Week


CAREX GYNOCRATES
Stand 7
Stand 8
Mean Phenological Phase
Week

conditions in the compared stands are biologically equivalent in terms of phenological development. Until several years of phenological observations are available, we cannot test Major Hypothesis 18 (First Report section 1.3.1) which postulates that the phenodynamic behavior of plant species and the phenological spectra of plant communities change significantly during post-fire, secondary succession on a particular habitat type. We can say, however, that within-stand variation in species phenology is generally much less than between--stand variation, and that our sampling methods are adequate to detect and assess inter-stand phenological differences. Therefore, if the phenological calendars of stands are different, we will be able to document these differences within the next few years.

3.6 ABOVE-GROUND SHOOT BIOMASS, LEAF AREA AND SHOOT COVER RELATIONSHIPS OF VASCULAR PLANT SPECIES IN 1981 AND 1982

As detailed in Methods section 3.5 of the First Report, the three most important quantitative attributes of vascular plant populations and communities selected for estimation in this project are live shoot cover, live leaf area, and live shoot biomass. Whereas live shoot cover is estimated directly in the reference stands, leaf area and shoot biomass are estimated indirectly by allometric regression analysis.

Our interest is not limited to dynamic variations of these three parameters within and between years in the reference stands (Objective nos. 4, 7, and 9 in First Report section 1.3.2), but includes also the relationships between the parameters, i.e., are the relationships genetically fixed, or do they vary with environmental conditions (Objective no. 3)?

In addition to the laboratory methods of estimating leaf area given in section 3.5.1 of the First Report, we employed a LI-COR 3100 Area Meter to measure leaf areas of many forb and shrub specimens collected and preserved during the 1982 snow-free season. This was done by passing the entire shoot or branch through the meter, then subtracting estimated stem area and adding leaf overlap area.

Table 6. Least squares regression equations for four vascular species in the Hondo - Lesser Slave Lake area of north central Alberta.

Model 1.[a] Leaf Area = a + b (Shoot Cover)

Species	Year	*n*	*a*	*b*	R^2
Epilobium angustifolium	1981	27	5.24	2.7	.86
	1982	42	-22.0	220	.75
Mertensia paniculata	1981	28	11.52	1.15	.75
	1982	48	.55	1.23	.63
Cornus canadensis	1981	46	4.4	.74	.87
	1982	83	.10	.84	.65
Viburnum edule	1982	49	13.61	1.05	.77

Model 2.[a] Shoot Biomass = a + b (Shoot Cover)

Species	Year	*n*	*a*	*b*	R^2
Epilobium angustifolium	1981	27	.18	.012	.90
	1982	42	-.23	.0168	.76
Mertensia paniculata	1981	28	.109	.0078	.82
	1982	48	.013	.0070	.48
Cornus canadensis	1981	46	.03	.0048	.57
	1982	83	.009	.0053	.56
Viburnum edule[b]	1982	49	.10	.0049	.62

Model 3.[a] Shoot Biomass = a + b (Leaf Area)

Species	Year	*n*	*a*	*b*	R^2
Epilobium angustifolium	1981	31	.20	.0052	.83
	1982	42	.023	.0071	.88
Mertensia paniculata	1981	50	.028	.0068	.92
	1982	48	.048	.0054	.77
Cornus canadensis	1981	80	.015	.0055	.70
	1982	85	-.002	.0074	.63
Viburnum edule[b]	1981	40	.01	.0044	.92
	1982	52	.02	.0047	.86

[a] Leaf area and shoot cover in cm^2; shoot and leaf biomass in grams.

[b] Dependent variable is leaf biomass rather than shoot biomass.

This method produced estimates very similar to those of the more laborious dot-grid or graph paper methods used previously (and still used for difficult specimens).

As of March 1983 more than 4,000 forb, shrub, and pteridophyte specimens collected in 1981 and 1982 had been analyzed in the laboratory, including both leaf area and oven-dry (65°C) shoot biomass.

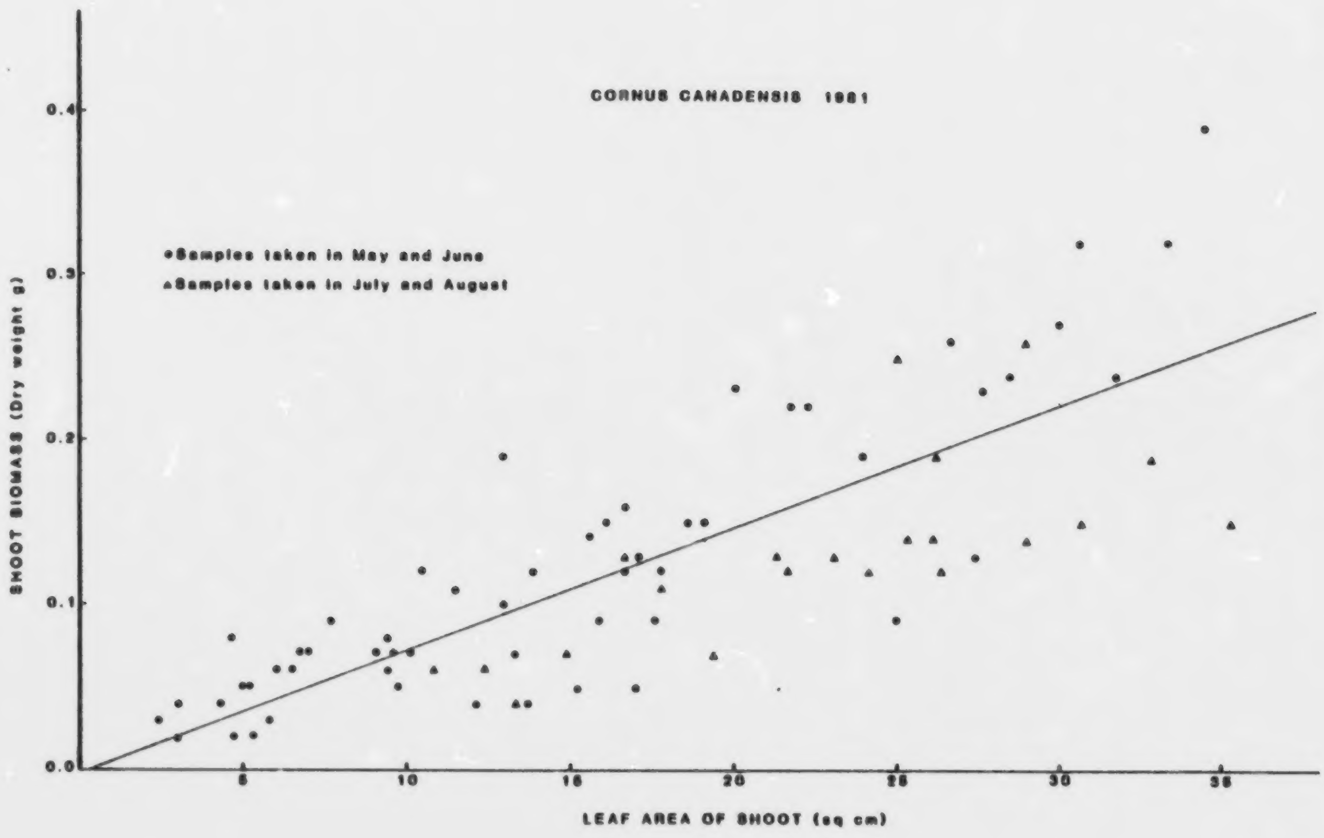
Allometric regression equations have been computed and interpreted for four vascular species: *Epilobium angustifolium* (EPAN), a tall summer-green forb; *Mertensia paniculata* (MEPA), a summer-green forb of medium height (10 to 30 cm); *Cornus canadensis* (COCA), a medium winter-green forb; and *Viburnum edule* (VIED), a deciduous broadleaf medium shrub (Table 6). Data from 1981 and 1982 were analyzed separately, but data from all stands in which a species was collected were pooled. Scatter diagrams were studied for evidence of non-linearity or intra-seasonal segregation of points. Regression equations were then generated and plotted to determine their goodness of fit (R^2) and degree of divergence among species and between years.

Close inspection of the scatter diagrams revealed linear relationships among the three parameters for all four species. Thus any observed variation in shoot cover within or between years is accompanied by a proportionate change in leaf area and shoot biomass, at least for the four species.

There is evidence on some of the diagrams that the relationship between leaf area and shoot biomass may be different for early- and late-season collections. For example, in *Cornus canadensis* in 1981 (Figure 3), the ratio of shoot biomass/leaf area was significantly higher for early-season than for late-season plants of similar size ($P > 0.95$). In the absence of an alternative explanation, we might infer that *C. canadensis* begins to respire or to translocate organic compounds to below-ground organs by mid-summer, with the result that leaves show a net decrease in biomass per unit area. Phenological observation data, however, provide an alternative explanation. The *Cornus canadensis* populations in reference stand nos. 4-6 were partially defoliated by Tent Caterpillars in June 1981

Figure 3. Relations between shoot cover, shoot biomass, and leaf area in three forb and one shrub species based on plant collections made from areas adjoining the SEADYN reference stands. A. Scatter diagram showing linear relation between leaf area and shoot biomass of *Cornus canadensis* in 1981. B. Least squares regression lines predicting leaf area from shoot cover data based on 1981 and 1982 data.

A.


CORNUS CANADENSIS 1981
•Samples taken in May and June
▲Samples taken in July and August
SHOOT BIOMASS (Dry weight g)
0.4
0.3
0.2
0.1
0.0
5
10
15
20
25
30
35
LEAF AREA OF SHOOT (sq cm)

B.

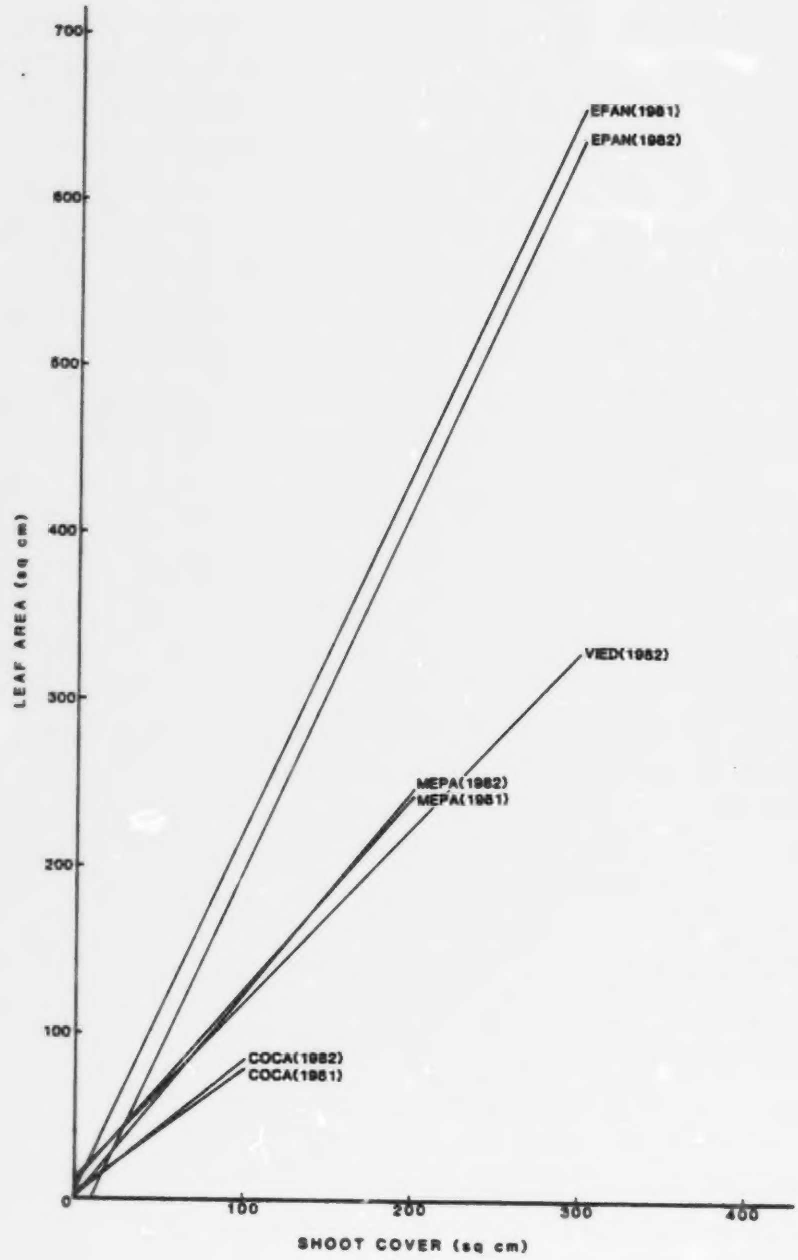

EFAN(1981)
EPAN(1982)
VIED(1982)
MEPA(1982)
MEPA(1981)
COCA(1982)
COCA(1981)
LEAF AREA (sq cm)
SHOOT COVER (sq cm)
0
100
200
300
400
500
600
700

Figure 1); a new cohort of leaves was produced after the caterpillars pupated, but these leaves were visibly less robust and thinner. Hence the late-season plants has lower shoot biomass/leaf area ratios. Since caterpillar impact on *C. canadensis* was much less severe in 1982 (Figure 1), we were able to evaluate the two hypotheses by inspection of the 1982 scatter diagram (not shown), in which there was no significant difference in the shoot biomass/leaf area ratios of early-season and late-season leaves. Our tentative conclusion is that the caterpillar impact hypothesis is more plausible.

Conversely for *Viburnum edule* in 1982, the leaf biomass/leaf area ratio was higher in late-season collections, but the difference in ratios was not statistically significant. Nor was there a significant difference in the 1981 early- and late-season ratios.

From these comparative analyses we infer that species have individualistic patterns of variation in the three quantitative parameters, i.e., environmental differences between years will not have the same effects on the relationships between parameters for all species. We intend to look into this subject more closely during the 1983 snow-free season.

Table 6 gives the least squares regression equations for estimation of leaf area and shoot biomass of the four species separately for 1981 and 1982. The amount of variation in the dependent variable accounted for is generally highest in Model 3, in which biomass is fitted to leaf area. We attribute these high R^2 values to the close biological and physical relationship between leaf area and leaf weight, and to the relative precision of measurement of these attributes. The models for *Epilobium angustifolium* generally exhibit the best fit, while those for *Cornus canadensis* show the highest % of unexplained variation. This may indicate that *E. angustifolium* has a more consistent (less plastic) relationship among its dimensions than *C. canadensis*, despite the fact that the range in size of collected COCA is 5-10X smaller than that of EPAN.

Although the shoot cover - leaf biomass relationship for *Viburnum edule* (Table 6) is only moderately strong ($R^2 = 0.62$), the fit is far better than that for the shoot cover - shoot biomass model ($R^2 = 0.27$), even when early-summer plants with immature leaves are

excluded from the analysis. It appears certain that, for this and other shrub species, shoot cover will be of little use as a predictor of total above-ground biomass. Other parameters, such as basal diameters of stems, will have to be employed to obtain acceptably accurate estimates of shrub biomass in the reference stands. Shrub shoot cover will continue to be estimated in the monthly surveys, of course, because this parameter is used to monitor changes in leaf area and leaf biomass.

The last point of particular interest in Table 6 is the slope coefficient (b) in Model 1. If there is no within-plant leaf overlap, if all leaves are oriented horizontally, and if measurements are unbiased, then $b = 1$, i.e., leaf area = shoot area. These assumptions seem to be true for *Viburnum edule*. Where leaves overlap and/or deviate from horizontal, $b > 1$. *Epilobium angustifolium* and *Mertensia paniculata* exhibit this kind of phyllotaxy (leaf arrangement). Given a y-intercept close to zero, the only way b can be less than 1 is if there has been a systematic over-estimate of shoot cover. This appears to have occurred for *Cornus canadensis* in both 1981 and 1982, i.e., field estimates of the shoot area of collected COCA plants were consistently above the true values (see First Report section 3.5.1).

The regression lines specified in Table 6 are drawn in Figure 3; they extend only as far as the ranges of plant sizes included in the collections will justify. Figure 3 demonstrates the extremely high similarity of the 1981 and 1982 regression lines for each species; it can also be used to estimate the error to be expected from the use of equations based on shoot cover - leaf area data from one year to estimate leaf area from shoot cover in another year.

For example, an individual *Epilobium angustifolium* plant of average shoot cover, about 80 cm^2, would have an estimated leaf area of 154 cm^2 based on the 1982 equation, compared with 179 cm^2 from the 1981 equation (Figure 3). This difference of 14% would decrease as cover increases, and would decrease still more if a common regression equation based on combined 1981 and 1982 data was employed.

Our tentative inference is that a combined regression equation from 1981 and 1982 will give satisfactory estimates of total population leaf area from shoot cover estimates in most years (i.e., within 10% of true values), if growing conditions and parameter relationships were fairly typical in 1981 and 1982. The results obtained thus far suggest that allometric estimates of leaf area for shrub and forb species will be adequate for the purposes of this project (Model 1 in Table 6). Although estimates of shoot biomass (forbs) and leaf biomass (shrubs) are generally less dependable (Model 2 in Table 6), biomass trends will closely parallel variations in shoot cover.

However, for locally abundant species in which there is significant infra-population overlap among the shoots of neighboring individuals, some correction factor will have to be developed and applied in the regression equations, which are based on the cover of individual shoots. Otherwise the equations will underestimate true leaf area from shoot cover. Identifying species where this overlap problem occurs, determining the degree of overlap, and refining the regression equations accordingly will be an important research concern during the summer of 1983.

3.7 ABOVE- AND BELOW-GROUND PLANT MORPHOMETRY

3.7.1 Vascular Plants

Wayne Strong and George La Roi are publishing a series of papers on (1) the depth and distribution of root systems in the eight reference stands and three other stands in the study area (Strong and La Roi 1983), (2) above- and below-ground morphology and biomass allocation in trees excavated near the reference stands, and (3) above- and below-ground morphology and biomass allocation in important understory vascular plants excavated near the reference stands (see Methods section 2.3.1)

Data from this phase of the project will be used to estimate total plant community biomass and the root:shoot ratios of reference stands along successional gradients for the three habitat types.

3.7.2 Epiphytic Lichens

The First Report (section 5.5) underscored the need for more quantitative studies of epiphytic lichen communities on trees in the reference stands. Accordingly, Mike Ostafichuk has begun to assess the epiphytic lichens quantitatively (see Methods section 2.3.2). The lichen collections are now being analyzed (identification, sorting, weighting, etc.). Ostafichuk's observations on floristic composition and biomass of lichen species in epiphytic lichen litterfall will be published in a future SEADYN contribution.

3.8 POPULATION STRUCTURE OF TREE SPECIES

Tree species populations in reference stand nos. 1, 2, 5, 6, 7, and 8 were inventoried during the 1982 field season according to the procedure described in Methods section 3.6 in the First Report. Reference stand nos. 3 and 4 were inventoried in 1981 (First Report section 4.8). Stem maps are now being prepared for all tree species populations in all stands; samples will appear in the next report.

3.8.1 Diameter Distributions

Because of the difficulty in adequately sampling population age structure, many studies of forest stand development have used diameter distributions to make inferences about forest succession and other dynamic changes. However, all stems within a given age-class do not increase in diameter at the same rate, nor do all species. Furthermore, survival is strongly influenced by tree size and position in the forest canopy; taller, more illuminated trees have a better chance of living longer.

Nevertheless, size distributions do provide some clues as to successional trends, especially when strands of the same habitat type are arranged along a gradient of stand age. Inspection of the diameter distributions of all stems > 2 cm dbh in the eight reference stands led to the following tentative conclusions.

1) Early in stand development, the rapid growth of a certain proportion of dominant individuals, and the continued recruitment of new individuals, produce diameter distributions which are skewed strongly to the right. As stand development proceeds, recruitment of new individuals of early successional species ceases, and the diameter distributions of these species become more symmetrical, with a relatively large modal diameter (Figure 4).

2) In *Pinus banksiana* and *Populus tremuloides* forests the more shade-tolerant *Picea glauca* and later *Abies balsamea* invade the forest understory and begin to fill in the left side of the stand diameter distribution. After 120 years or more in an undisturbed state, these stands tend to develop a negative exponential ('reverse J-shaped') diameter distribution (Figures 5 and 6).

Figure 4. Diameter distributions of live *Pinus banksiana* stems in SEADYN reference stand nos. 1 through 4. See section 3.6 in First Report for details on methods.

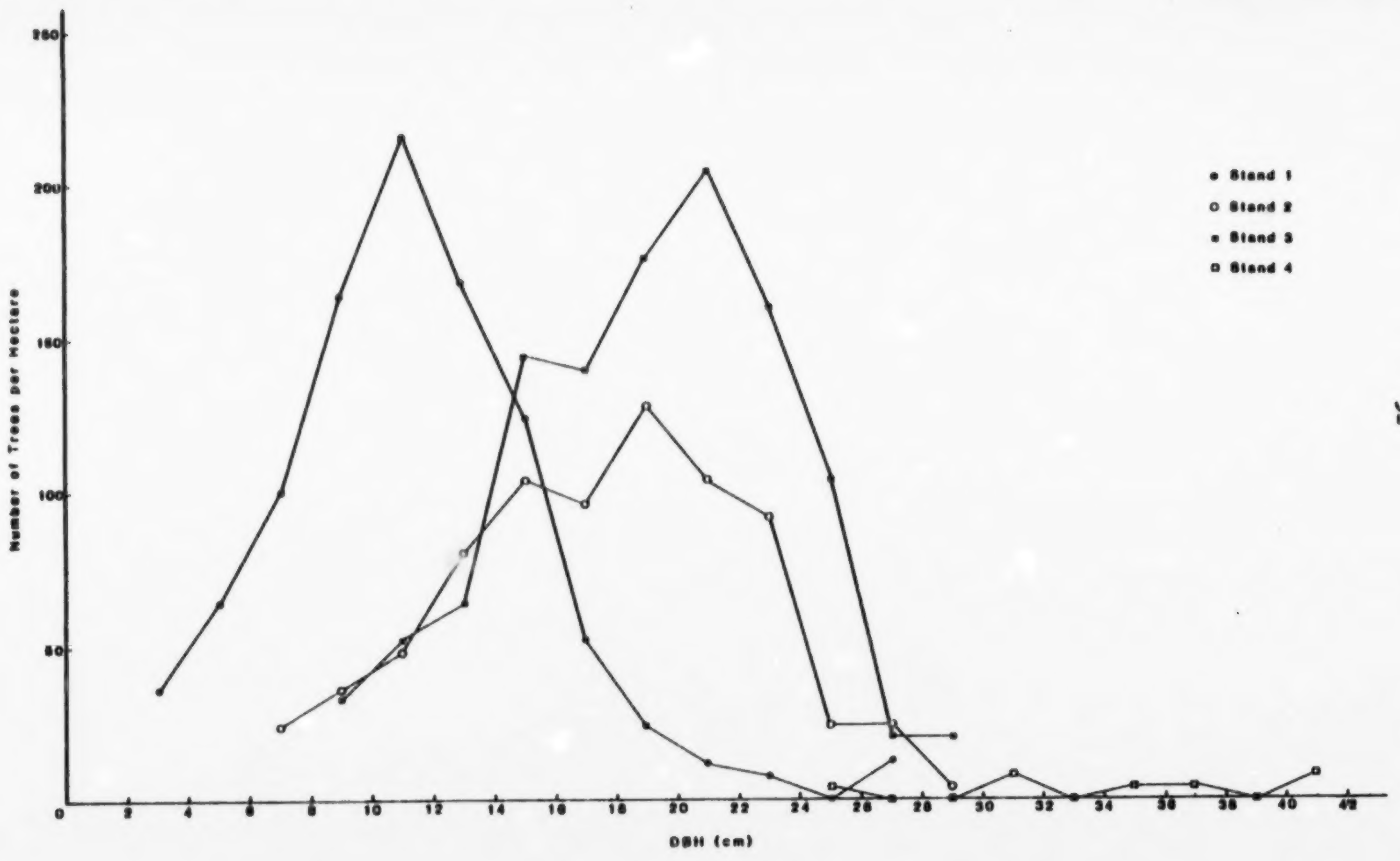
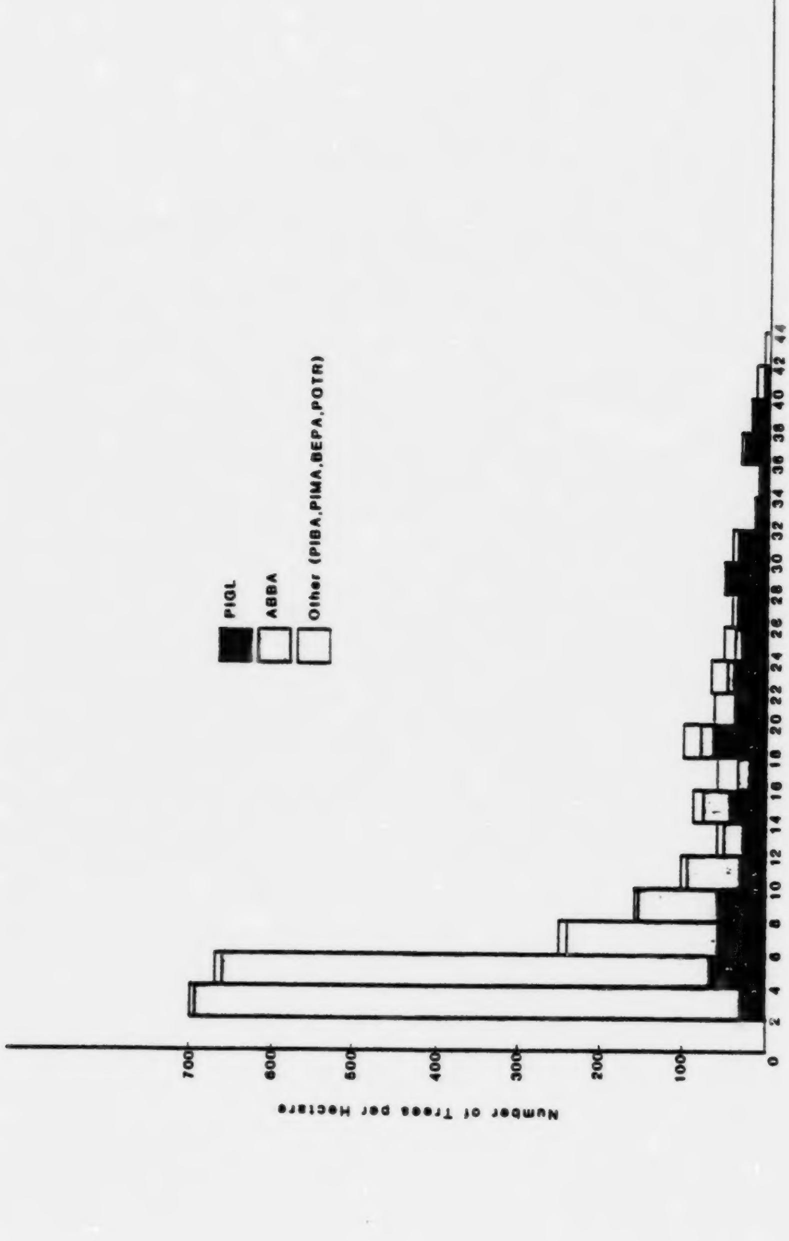
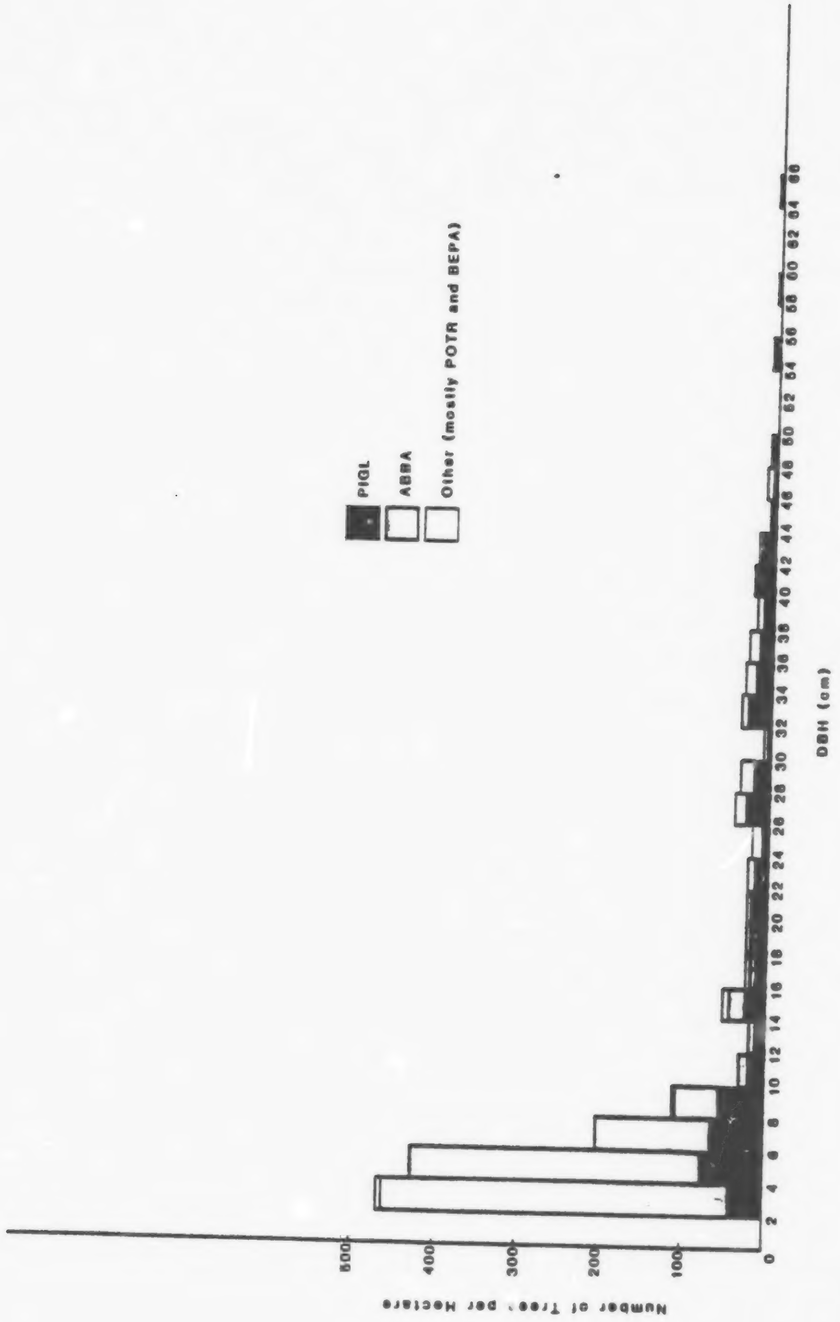

Number of Trees per Hectare
250
200
150
100
50
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
DBH (cm)
Stand 1
Stand 2
Stand 3
Stand 4

Figure 5. Diameter distributions of *Picea glauca*, *Abies balsamea*, and four minor tree species in SEADYN reference stand no. 4 in 1982. See section 3.6 in First Report for details on methods.



PIGL
ABBA
Other (PIBA,PIMA,BEPA,POTR)
Number of Trees per Hectare
0
100
200
300
400
500
600
700
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
DBH (cm)

Figure 6. Diameter distributions of *Picea glauca*, *Abies balsamea*, and three other tree species in SEADYN reference stand no. 6 in 1982. See section 3.6 in First Report for details on methods.


PIGL
ABBA
Other (mostly POTR and BEPA)
Number of Trees per Hectare
0
100
200
300
400
500
DBH (cm)
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66

3) On peatlands dominated by *Picea mariana* the extremely slow growth and lack of more shade-tolerant competitors combine to produce diameter distributions characteristic of early successional stages on other habitat types, even in stands more than 120 years old (Figure 7).

Because of the slow rates of decay of dead tree boles, both the dead-standing and dead-down trees can be inventoried and analyzed as well as the living trees (Figure 8). It will be interesting to continue to monitor the diameter distributions of these three population components in the future.

3.8.2 Age-Size Relationships

A preliminary study of age-size relationships of tree populations in the eight reference stands was undertaken in 1982 (see Methods section 2.5). One purpose of this study was to determine the feasibility of generating accurate population age-structures from known diameter distributions.

Coefficients of determination (R^2) were computed between tree age (years at 30 cm above ground), tree diameter (cm dbh), and tree height (m) for the major tree species in each stand (Table 7). The following conclusions were drawn from the preliminary study and are subject to revision after more extensive sampling is done in the future.

1) Correlations are generally high for early successional species such as *Pinus banksiana* and *Populus tremuloides* in which the oldest individuals developed in open, disturbed sites.

2) Correlations for *Picea glauca* are higher when early development is under a *Populus tremuloides* canopy than when it develops under *Pinus banksiana*. Perhaps resources are more plentiful on the PIGL [POTR] habitat type and/or there is less competition for *P. glauca* within its niche in *P. tremuloides* forests.

Figure 7. Diameter distributions of *Picea mariana* in SEADYN reference stand nos. 7 and 8 in 1982. <u>See</u> section 3.6 in First Report for details on methods.

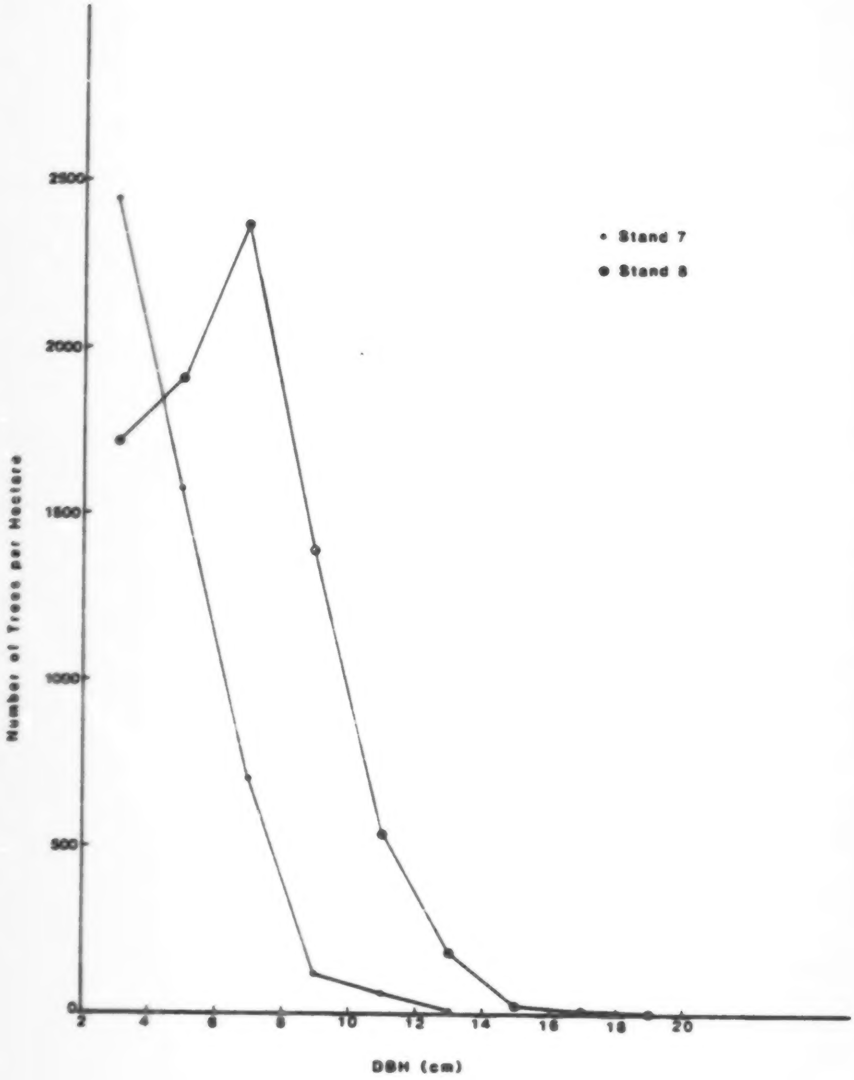
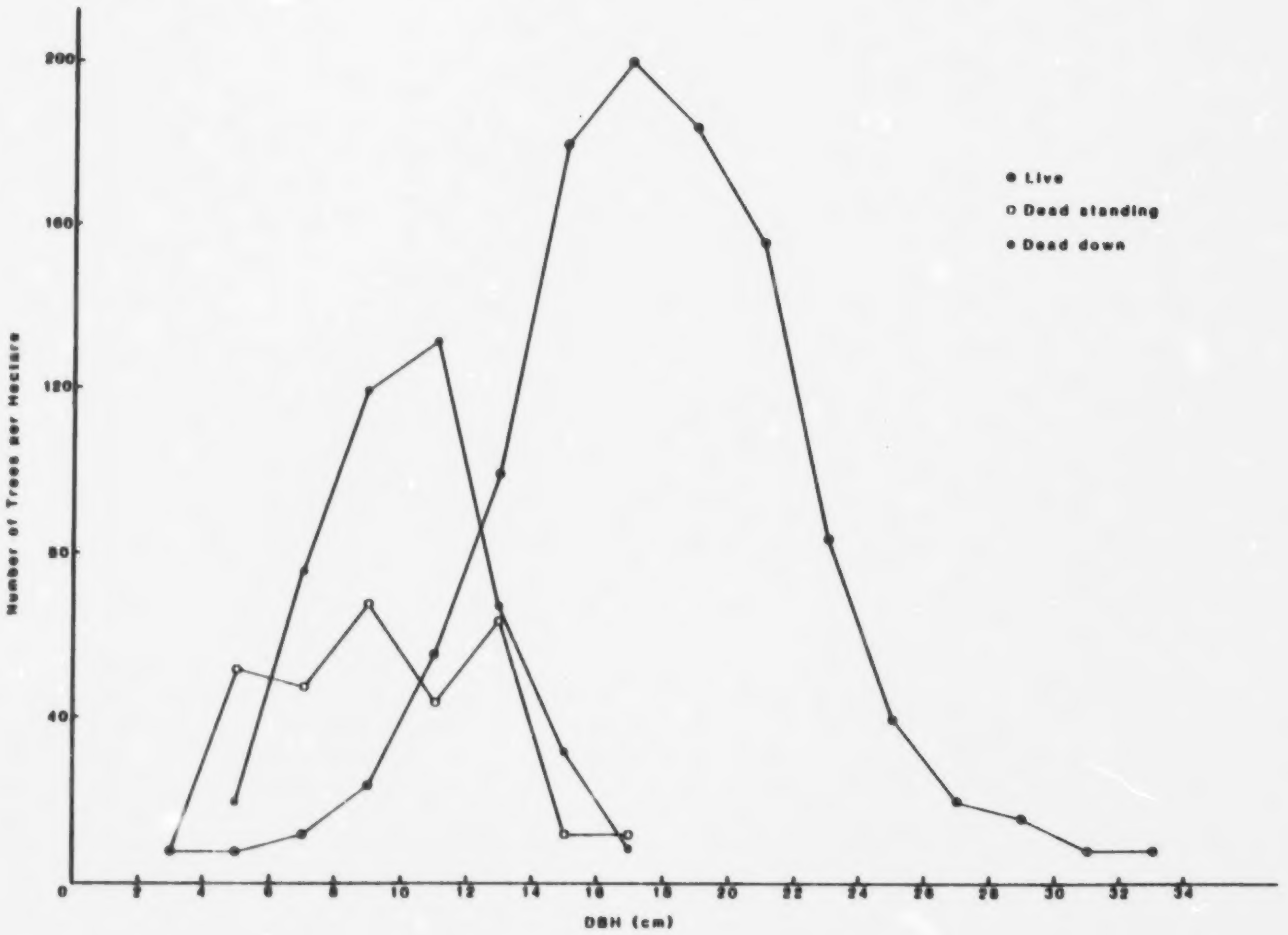

Number of Trees per Hectare
2500
2000
1500
1000
500
0
2
4
6
8
10
12
14
16
18
20
DBH (cm)
• Stand 7
● Stand 8

Figure 8. Diameter distributions of live, dead standing, and dead and down *Populus tremuloides* stems in SEADYN reference stand no. 5 in 1982. <u>See</u> section 3.6 in First Report for details on methods.



● Live
○ Dead standing
• Dead down
Number of Trees per Hectare
0
40
80
120
160
200
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
DBH (cm)

Table 7. Age-size relationships of tree species in the eight reference stands of the Hondo - Lesser Slave Lake area of north central Alberta. Based on representative samples of 25 trees measured in each stand in 1982.

Reference Stand	Tree Species	Number of Trees Sampled	Range of Ages (yrs)[a]	Diameter (cm) Range	Diameter (cm) R^{2b}	Height (m) Range	Height (m) R^{2b}
1	PIBA	25	22-42	4-24	.51	6-16	.20
2	PIBA	25	29-57	8-30	.57	7-23	.45
3	PIBA	17	40-80	12-28	.30	4-24	.21
4	PIGL	11	75-120	4-52	.04	4-29	.12
4	ABBA	12	45-85	3-20	.03	3-20	.00
5	PIGL	14	35-60	3-17	.63	3-15	.71
5	POTR	8	50-100	12-31	.78	17-30	.21
6	PIGL	11	47-120	3-55	.80	3-32	.63
6	ABBA	13	25-40	3-15	.00	3-18	.03
7	PIMA	23	30-65	3-11	.04	3-9	.17
8	PIMA	23	30-160	2-15	.24	3-12	.37

[a] Age at 30 cm above ground (where core was taken).

[b] For model Diameter or Height = a + b (age).

3) Age-size correlations are weak for *Picea mariana* and *Abies balsamea* in all reference stands. Perhaps the former is not threatened by a more tolerant competitor and its suppressed individuals are slow to die, whereas the latter is very shade-tolerant and can remain alive for long periods while growing very slowly under a *Picea glauca*-dominated tree canopy.

4) Neither tree diameter nor tree height is consistently more correlated with tree age throughout all species and stands.

Because of the general weakness of the relationship between tree age and tree size, we think that age-size regression equations will be of little practical use in estimating population age-structure from size distributions. However, the correlations are of interest in themselves, and should be further investigated using data gathered for direct determinations of population age-structure.

During the 1983 field season we will initiate a study of population processes of the tree species which will include much more complete determinations of age-structures, including individuals < 2 cm dbh. This study will also attempt to determine age-specific mortality and natality rates for the important species. Such parameters are important in modelling the dynamics of forest stand development and associated phenomena.

3.9 ENVIRONMENTAL MEASUREMENTS IN 1982

Section 3.7 in Methods of the First Report describes the environmental measurements made in and around the eight reference stands, at Hondo station, and at the NW station.

3.9.1 Atmospheric Component

Table 7 gives daily air temperature data from the Hondo and NW stations for the period 1 May to 22 October 1982. Minimum-maximum temperature data from reference stands do not differ greatly from those at the two recording stations, so Table 7 seems valid for the study area as a whole during the 1982 snow-free season.

Table 8. Daily air temperature data from the Hondo and NW stations of the SEADYN study area for the period 1 May to 22 October 1982. Data are from calibrated Lambrecht thermo-hygrographs mounted 1.5 m above ground in standard Stevenson screens; temperatures are °C.

HONDO STATION (55°4' N Lat 114°30' W Long)

Month Day	Min	Max	Mean	Month Day	Min	Max	Mean	Month Day	Min	Max	Mean
May				June				July			
1	-2	20	9	1	9	21	15	1	11	23	17
2	2	21	12	2	7	27	17	2	13	20	17
3	-2	14	6	3	7	25	16	3	M[a]	M	M
4	-3	3	0	4	9	25	17	4	12	M	M
5	-1	3	1	5	5	13	9	5	6	21	14
6	-2	9	3	6	-4	13	5	6	2	23	13
7	-5	9	2	7	1	18	9	7	6	26	16
8	-5	13	4	8	-2	16	7	8	6	23	14
9	-1	15	7	9	3	21	12	9	7	27	17
10	-2	16	7	10	3	21	12	10	6	28	17
11	-2	22	10	11	6	27	16	11	6	27	17
12	-2	20	9	12	10	31	20	12	6	25	15
13	-1	19	9	13	9	30	20	13	13	28	21
14	4	19	12	14	8	28	18	14	9	23	16
15	8	22	15	15	3	24	13	15	5	14	10
16	-1	18	8	16	2	25	13	16	4	23	14
17	10	22	16	17	5	26	15	17	11	25	18
18	4	14	9	18	5	27	16	18	12	24	19
19	1	23	12	19	7	28	17	19	-1	20	9
20	7	24	15	20	9	32	20	20	7	19	13
21	8	24	16	21	8	30	19	21	10	20	15
22	6	26	16	22	2	22	12	22	3	11	7
23	1	19	10	23	1	20	11	23	6	23	14
24	8	26	17	24	4	23	13	24	4	23	13
25	3	14	8	25	3	24	13	25	5	25	15
26	-1	21	10	26	4	24	14	26	10	27	19
27	-4	13	4	27	4	23	13	27	5	23	14
28	-4	19	7	28	4	24	14	28	6	26	16
29	-1	22	10	29	12	25	18	29	10	32	21
30	5	25	15	30	11	15	13	30	8	30	19
31	1	22	11					31	11	24	17
$\bar{x}$	1.0	18.0	9.5	$\bar{x}$	5.2	23.6	14.4	$\bar{x}$	7.3	23.6	15.5

continued ...

Table 8. Continued

HONDO STATION (Concluded)

Month/Day	Min	Max	Mean
August			
1	12	16	14
2	9	16	12
3	8	10	9
4	2	17	10
5	13	24	18
6	3	22	12
7	4	23	13
8	11	24	17
9	13	25	19
10	10	24	17
11	3	12	7
12	0	19	9
13	4	20	12
14	4	12	8
15	4	11	8
16	4	19	12
17	3	23	13
18	0	20	10
19	2	21	12
20	8	23	15
21	3	21	12
22	2	24	13
23	4	17	10
24	-3	12	4
25	-6	10	2
26	3	12	7
27	1	9	5
28	-4	11	3
29	5	12	9
30	5	15	10
31	2	16	9
$\bar{x}$	4.2	17.4	10.8

Month/Day	Min	Max	Mean
September			
1	8	20	14
2	4	25	15
3	-2	20	9
4	1	9	5
5	0	12	6
6	4	21	13
7	9	22	16
8	3	16	10
9	3	13	8
10	0	11	6
11	-6	12	3
12	-6	8	1
13	-5	10	3
14	4	16	10
15	-3	17	7
16	2	21	12
17	-1	24	12
18	-3	22	10
19	-3	23	10
20	-3	25	11
21	2	25	12
22	-2	22	10
23	-1	23	11
24	7	24	16
25	-2	14	6
26	-5	11	3
27	-4	7	2
28	-1	5	2
29	-3	6	2
30	-3	11	4
$\bar{x}$	-0.2	16.5	8.2

Month/Day	Min	Max	Mean
October			
1	-3	19	8
2	-3	13	5
3	-2	6	2
4	-9	11	1
5	-7	13	3
6	1	8	5
7	-3	13	5
8	5	12	9
9	-9	13	2
10	-2	24	11
11	2	15	9
12	-6	20	7
13	2	24	13
14	12	16	14
15	-5	9	2
16	3	7	5
17	-4	-4	-4
18	-6	1	-3
19	-13	5	-4
20	-12	8	-2
21	-10	10	0
22	-6	M	M
23			
24			
25			
26			
27			
28			
29			
30			
31			
$\bar{x}$	-3.4	11.6	4.1

continued ...

Table 8. Continued

NW STATION (55°10'30" N Lat 114°19'20" W Long)

Month / Day	Min	Max	Mean
May			
1	-1	19	9
2	3	19	11
3	-3	12	5
4	-4	1	-2
5	-3	2	-1
6	-6	14	4
7	M	M	M
8	M	M	M
9	M	M	M
10	-3	14	6
11	-1	19	9
12	0	17	9
13	0	18	9
14	5	17	11
15	7	20	14
16	2	17	9
17	8	21	15
18	3	12	8
19	-3	17	7
20	6	22	14
21	2	23	12
22	5	25	15
23	-1	17	8
24	7	24	15
25	3	12	8
26	0	14	7
27	-4	12	4
28	-3	18	7
29	-1	21	10
30	4	24	14
31	0	21	10
$\bar{x}$	0.8	16.9	8.9

Month / Day	Min	Max	Mean
June			
1	6	20	13
2	5	26	15
3	7	24	15
4	7	24	15
5	3	12	8
6	-4	13	4
7	1	18	10
8	-2	16	7
9	3	20	11
10	M	M	M
11	6	23	14
12	7	30	18
13	10	30	20
14	9	27	18
15	4	24	14
16	3	25	14
17	5	26	15
18	7	27	17
19	7	28	17
20	9	31	20
21	10	30	20
22	8	24	16
23	1	21	11
24	5	24	14
25	3	24	13
26	4	26	15
27	5	22	14
28	4	24	14
29	13	25	19
30	13	17	15
$\bar{x}$	5.5	23.5	14.5

Month / Day	Min	Max	Mean
July			
1	13	24	18
2	14	22	18
3	13	16	14
4	12	15	13
5	8	21	14
6	2	23	12
7	6	24	15
8	5	24	14
9	6	26	16
10	9	26	17
11	7	26	16
12	5	24	15
13	9	26	18
14	9	23	16
15	5	12	9
16	4	22	13
17	9	24	17
18	12	23	17
19	2	19	10
20	4	20	12
21	10	19	14
22	7	12	9
23	11	23	17
24	5	23	14
25	5	24	15
26	9	27	18
27	7	22	14
28	8	26	17
29	10	31	21
30	9	28	18
31	11	23	17
$\bar{x}$	7.9	22.5	15.2

continued ...

Table 8. Concluded

NW STATION (Concluded)

Month Day	Min	Max	Mean	Month Day	Min	Max	Mean	Month Day	Min	Max	Mean
August				September				October			
1	13	17	15	1	10	18	14	1	-2	18	8
2	9	16	12	2	7	24	16	2	-1	12	6
3	8	10	9	3	0	25	13	3	-1	7	3
4	2	16	9	4	5	10	8	4	-6	11	3
5	12	23	18	5	4	13	9	5	-6	13	4
6	6	22	14	6	9	21	15	6	-1	8	4
7	5	23	14	7	10	22	16	7	-3	13	5
8	9	24	17	8	5	17	11	8	3	11	7
9	10	26	18	9	5	18	12	9	-7	14	4
10	11	23	17	10	0	11	6	10	-1	23	11
11	2	17	10	11	-3	12	5	11	2	15	9
12	0	18	9	12	-4	9	3	12	-5	19	7
13	5	19	12	13	-3	10	4	13	7	24	16
14	6	12	9	14	7	17	12	14	12	15	14
15	5	12	8	15	-1	18	9	15	-3	8	3
16	4	19	12	16	0	20	10	16	2	7	5
17	3	22	13	17	2	23	13	17	-3	-3	-3
18	1	19	10	18	-1	22	11	18	-5	1	-2
19	4	21	12	19	-1	23	11	19	-11	5	-3
20	7	23	15	20	-1	23	11	20	-12	8	-2
21	6	22	14	21	11	24	18	21	-9	9	0
22	3	20	12	22	0	21	11	22	-6	M	M
23	5	17	11	23	0	22	11	23			
24	-2	14	6	24	9	22	16	24			
25	-4	11	4	25	-1	15	7	25			
26	3	12	8	26	-5	11	3	26			
27	1	9	5	27	-3	7	2	27			
28	-3	11	4	28	1	6	4	28			
29	6	14	10	29	-5	7	1	29			
30	7	10	9	30	-3	16	7	30			
31	8	17	13					31			
$\bar{x}$	4.9	17.4	11.2	$\bar{x}$	1.8	16.9	9.4	$\bar{x}$	-2.5	11.3	4.4

[a] M = data missing.

Compared with 30-year temperature normals at Slave Lake (Environment Canada 1975; see also Figure 2, First Report), 1981 and 1982 mean daily temperatures in the study area were as follows:

	Slave Lake (1941-1970)	Hondo (1981)*	Hondo (1982)	NW (1981)	NW (1982)
May	9.1	10.8	9.5	10.4	8.9
Jun	13.1	9.5	14.4	10.3	14.5
Jul	15.7	13.9	15.5	14.5	15.2
Aug	14.1	14.7	10.8	15.1	11.2
Sep	9.2	7.7	8.2	8.0	9.4
Oct	3.4	-0.3	4.1	0.3	4.4
6-mo mean	10.8	9.4	10.4	9.8	10.6

* 1981 Hondo temperatures corrected by +0.7°C (thermograph calibration).

May and October 1982 were slightly warmer than average; June was 1.3° warmer than average; July was about normal; August was 3° cooler than average; and September was slightly cooler than average. Thus early summer was warmer and late summer cooler than average. For the 6-month snow-free season, 1982 air temperatures in the study area averaged only 0.3°C cooler than the long-term normal at Slave Lake, and 1.0°C warmer than those of 1981.

Table 9 gives daily precipitation at the Hondo station for the period 7 May to 25 September 1982. As in 1981 (First Report section 4.9.1), in 1982 there was considerable variation among the 10 precipitation stations in terms of amounts received from light showers and localized thunderstorms, but very little variation in the amounts received from general, heavier rains.

Compared with the 30-year precipitation normals at Slave Lake (Environment Canada 1975; see also Figure 2, First Report) 1981 and 1982 summmer precipitation in the study area was as follows:

	Slave Lake (1941-1970)	Hondo (1981)	Hondo (1982)
May	45.2	9.1	15.4
June	67.8	74.9	11.9
July	79.5	120.3	130.2
August	65.5	9.8	97.7
4-mo total	258.0	214.1	255.2

Table 9. Daily precipitation data from the Hondo Station of the SEADYN study area for the period 7 May to 25 September 1982. Data are from a 12.65 cm diameter receiver mounted 0.5 m above ground, measured in mm each morning at 0700 hrs MDT.

Day	May	June	July	August	September
1	M[a]	-	T	19.3	T
2	M	-	19.1	8.9	T
3	M	-	28.2	20.7	T
4	M	T	1.4	T	2.1
5	M	-	1.1	T	1.0
6	-[b]	T	T	3.3	T
7	T[c]	T	T	T	0.2
8	T	3.3	T	T	3.2
9	0	-	1.8	-	1.6
10	T	-	T	2.7	0.3
11	T	-	T	12.1	T
12	T	-	T	T	T
13	-	-	T	T	T
14	0.5	T	25.9	3.2	-
15	0.9	T	T	4.9	T
16	0.2	T	T	1.0	T
17	-	T	1.0	T	T
18	2.3	T	0.2	T	T
19	T	T	1.3	T	T
20	-	T	T	T	T
21	-	0.1	41.0	11.6	T
22	1.9	T	9.2	1.0	T
23	-	T	T	T	T
24	2.1	T	T	3.3	T
25	7.4	2.9	T	0.3	M
26	T	T	T	-	M
27	0.1	T	T	4.0	M
28	T	T	T	T	M
29	T	T	T	0.8	M
30	-	5.6	T	0.6	M
31	-		T	T	
Σ	15.4	11.9	130.2	97.7	8.4

[a] M = missing data.

[b] - = no precipitation.

[c] T = trace only; often caused by dew or melted frost.

May and June were much drier than average (34% and 18% of normal precipitation); and July and August were much wetter than average (164% and 149%). Total summer precipitation in 1982, however, was almost identical to the long-term normal at Slave Lake, and about 30 mm greater than the amount received during the same period in 1981.

Hence the 1982 snow-free season was warmer and much drier than average in early summer, and cooler and much wetter than average in late summer. Taken as a whole, however, it was very close to 'average' in terms of mean temperature and total precipitation.

3.9.2 Soil Component

At weekly intervals during the 1982 snow-free season, soil moisture and temperature readings were once again made from Coleman resistance blocks at mid-horizon positions in two soil profiles at the SW and NE corners in each of the eight reference stands (see Methods section 3.7.2 in First Report). Conversion of 1981 and 1982 soil electrical resistance data to soil water potentials is currently being done by Wayne Strong. The results will appear in future project reports and publications.

3.10 PHOTOGRAPHIC DOCUMENTATION

An annotated set of 29 color slides is included in the separate Appendix volume (sections 6.2 and 6.3) of the unabridged report, using methods described in section 3.8 of the First Report and section 2.6 of this report. The photographs are intended to provide representative documentation of (1) monthly changes in the structure and development of the vascular plant community from fixed positions ($n = 12$); (2) monthly changes in the structure and development of terrestrial bryophyte and lichen communities and associated forest letter in permanent microplots from fixed tripod positions ($n = 10$); and (3) field work in progress, instrumentation, etc. ($n = 7$).

The slide annotations (section 6.2) are very brief, ecologically oriented, and intended to complement the text of this report. The SEADYN slide collection is maintained in the Plant Ecology Section, Department of Botany, University of Alberta, and is available for viewing and duplication on request from the authors.

3.11 SEASONAL DYNAMICS OF THE AVIFAUNA

Preliminary study of the 1982 avifauna data (see Methods section 2.7) suggests that birds in the study area are typical of the southern boreal forest subzone in Alberta. They fall into four broad categories: (1) species evidently restricted to one habitat type (e.g., Night Hawks in young *Pinus banksiana* forests (stand nos. 1 and 2)); (2) species preferring one habitat type in early summer and another in late summer (e.g., Boreal Chickadees); (3) species that are ubiquitous, i.e., occurring in virtually all stands of the three habitat types (e.g., Yellow Warbler); (4) species that are opportunistic, i.e., present temporarily to utilize the food supply (e.g., birds feeding on Tent Caterpillars during the peak infestation in late May).

In 1982 the peak period of bird activity (and, hence, most numerous audio-visual records) occurred between the second and third week of June (Table 10. However, some species were not recorded until the second week in July (e.g., White-winged Crossbill in *Picea mariana* forests (stand nos. 7 and 8)).

A total of 39 bird species were tallied in the reference stands during the 1982 snow-free season, not including transient birds (e.g., Sandhill Cranes flying far above stands). Further work is required to more fully document the total avifauna and to determine the 'normal' dynamic sequence of arrivals, activities, and departures of resident and migratory birds in the reference stands during the snow-free season.

Table 10. Numbers of bird species recorded in the eight reference stands of the Hondo - Lesser Slave Lake study area at monthly intervals and during the entire 1982 snow-free season. See Methods section 2.7.

Survey Date[a]	Reference Stand Number								Average Number
	1	2	3	4	5	6	7	8	
May	7	5	4	3	3	3	4	8	4.6
June	12	14	10	10	11	16	4	10	10.9
June[a]	11	16	17	12	17	14	7	10	13.0
July	11	11	8	7	15	12	11	5	10.0
August	10	10	8	9	7	5	7	6	7.8
September	6	4	6	4	3	6	3	3	4.4
October	7	4	1	5	4	3	2	3	3.6
Average Number	9.1	9.1	7.7	7.1	8.6	8.4	5.4	6.4	
Total Number	19	21	23	17	23	24	16	23	

[a] Surveys completed during the second week of each month, with an additional survey during the third week of June.

4. DISCUSSION

4.1 COMPARISON OF 1981 and 1982 PLANT COMMUNITY SURVEY DATA

4.1.1 Vascular Plant Community Attributes

Comparing the August 1981 and 1982 vascular plant community attributes of the eight reference stands (Table 11), the following annual fluctuations seem noteworhty.

Total vascular cover increased in seven of the eight stands from August 1981 to August 1982, but the magnitude of these increases varied greatly, i.e., from 0.3% to 20.9%. The two younger stands on the PIGL [PIBA] habitat type and the oldest stand on the PIMA [LALA] h.t. remained essentially unchanged in total vascular cover (± 0.3%). The two older stands on the PIGL [PIBA] h.t. and the youngest stand on the PIMA [LALA] h.t. increased moderately in cover (*ca.* 5%). Both the young and old stands on the PIGL [POTR] h.t. increased dramatically in cover (*ca.* 20%).

Vascular species richness (*R*) per stand changed from one to five species between 1981 to 1982, but there was no readily discernible pattern of change, except possibly that the oldest stands on the three habitat types changed the least (± 1 sp.).

Vascular domirance index (*D*) decreased in all eight stands between 1981 and 1982, but the magnitude of this decrease varied considerably, from 0.02 to 0.11. The PIMA [LALA] h.t. showed the largest decrease in *D*, with a change from 0.63 to 0.52 in the oldest stand, which still has by far the highest vascular dominance concentration of the eight stands.

Vascular diversity index (H') increased in all eight stands between 1981 and 1982. On the PIGL [PIBA] and PIMA [LALA] h.t.s. the increase in H' was greater with increasing stand age, i.e., the oldest stands showed the largest increase in vascular diversity. On the PIGL [POTR] h.t. the reverse occurred, i.e., H' in the younger stand increased more than it did in the older stand.

Table 11. Comparison of August 1981 and 1982 vascular plant community attributes and vascular growth-form cover values of the eight SEADYN reference stands in the Hondo - Lesser Slave Lake area of north central Alberta. See also Tables 3 and 4 in this report and Tables 6 and 7 in the First Report.

Habitat Type[a]		PIGL [PIBA]				PIGL [POTR]		PIMA [LALA]	
Reference Stand Number		1	2	3	4	5	6	7	8
Community Attribute	**Year**								
Total Cover (%)	81	40.3	48.7	53.3	47.2	53.0	56.7	42.9	38.4
	82	41.0	48.4	58.5	51.8	73.9	77.1	49.6	38.7
Species Richness (*R*)	81	41	40	49	39	41	54	40	34
	82	42	38	45	38	45	55	41	33
Dominance Index (*D*)	81	0.28	9.19	0.23	0.39	0.17	0.12	0.28	0.63
	82	0.26	0.17	0.17	0.34	0.13	0.09	0.22	0.52
Diversity Index (*H'*)	81	1.76	2.08	2.07	1.29	2.32	2.57	1.98	0.92
	82	1.81	2.15	2.27	1.50	2.52	2.72	2.15	1.22
Maximum Diversity (H_{max})	81	3.71	3.69	3.89	3.66	3.71	3.99	3.69	3.53
	82	3.74	3.64	3.81	3.64	3.81	4.01	3.71	3.50
Evenness Index (*E*)	81	0.47	0.56	0.53	0.35	0.63	0.64	0.54	0.26
	82	0.48	0.59	0.60	0.41	0.66	0.68	0.58	0.35
Vascular Growth-form									
Tree Cover (%)	81	9.40	12.96	2604	44.02	28.05	29.92	23.18	30.08
	82	9.70	12.42	22.05	46.72	28.48	31.33	22.81	27.44
Shrub Cover (%)	81	27.10	31.27	13.93	0.43	4.09	6.56	11.15	6.00
	82	27.34	31.24	16.02	0.75	6.17	11.76	14.92	7.60
Forb Cover (%)	81	2.43	3.98	12.67	2.75	20.53	19.45	3.14	1.33
	82	2.68	4.38	19.39	4.28	38.83	33.47	4.99	2.38
Graminoid Cover (%)	81	1.01	0.47	0.42	0.004	0.30	0.77	5.23	0.81
	82	1.02	0.40	0.46	0.01	0.40	0.54	6.69	1.16
Pteridophyte Cover (%)	81	0.36	0.02	0.26	0.008	0.003	0.01	0.21	0.15
	82	0.28	0.01	0.58	0.02	0.02	0.03	0.19	0.07

[a] Full names and descriptions of habitat types in section 3.1 of First Report.

Vascular evenness index (E) also increased in all eight stands between 1981 and 1982. Like H', evenness increased more in older than younger stands on the PIGL [PIBA] and PIMA [LALA] h.t.s.

Since evenness (equitability) is the opposite of dominance and an important component of diversity (see First Report section 1.2), trends observed in E tend to be positively correlated with those in H' and negatively correlated with those in D.

In view of the fact that we have only two snow-free seasons of good quantitative data on the vascular plant community attributes of the reference stands, it would be premature to construct an elaborate interpretation of the environmental conditions responsible for the above-noted and other changes observed between 1981 and 1982. Suffice it to say for now, then, that there must be an environmental explanation (e.g., weather, biotic influences) for the increased cover, diversity and evenness, and for the decreased dominance concentration, of vascular plant communities in the study area between the two years.

It appears that the observations of Korchagin and Karpov (1974; see First Report section 1.1) regarding the higher annual fluctuational stability of pure coniferous forests cf. mixed forests in the Eurasian taiga may be valid for the southern boreal forest subzone in western Canada; but we need much more data to test this hypothesis.

4.1.2 Terrestrial Bryophyte and Lichen Community Attributes

Comparisons of terrestrial bryophyte and lichen community attributes in 1981 and 1982 may be complicated by the fact that the macroplot surveys of these communities were made in June 1981 and August 1982 (Table 12; see First Report section 3.3.2 and Table 5). However, because of the slower growth rates of these plants cf. vascular plants and the bi-modal growth patterns (spring and autumn) of many bryophytes and lichens, the June and August data are probably still useful for comparing the two years. From 1982 onwards the annual macroplot surveys of terrestrial bryophytes and lichens will be made in August.

Table 10. Comparison of June 1981 and August 1982 terrestrial bryophyte and lichen community attributes and bryophyte and lichen cover values of the eight SEADYN reference stands in the Hondo - Lesser Slave Lake area of north central Alberta. See also Tables 3 and 4 in this report and Tables 6 and 7 in the First Report.

Habitat Type[a]		PIGL [PIBA]				PIGL [POTR]		PIMA [LALA]	
Reference Stand Number		1	2	3	4	5	6	7	8
Community Attribute	Year								
Total Cover (%)	81	52.9	45.0	64.1	69.6	9.0	16.4	73.7	79.4
	82	55.5	44.4	44.4	63.2	9.5	34.2	51.9	81.7
Species Richness (R)	81	31	27	22	22	21	23	37	28
	82	34	35	21	24	22	22	33	30
Dominance Index (D)	81	0.71	0.65	0.59	0.37	0.23	0.21	0.31	0.46
	82	0.74	0.64	0.48	0.39	0.22	0.26	0.41	0.49
Diversity Index (H')	81	0.79	0.80	0.84	1.13	1.76	1.79	1.54	1.01
	82	0.62	0.83	0.95	1.07	1.73	1.56	1.20	0.95
Maximum Diversity (H_{max})	81	3.43	3.30	3.09	3.09	3.04	3.14	3.61	3.33
	82	3.53	3.56	3.04	3.18	3.09	3.09	3.50	3.40
Evenness Index (E)	81	0.23	0.24	0.27	0.37	0.58	0.57	0.43	0.30
	82	0.18	0.23	0.31	0.34	0.56	0.50	0.34	0.28
Bryophyte Cover (%)	81	5.02	6.46	63.69	69.10	8.86	16.08	70.18	76.30
	82	6.57	7.00	44.36	63.10	9.34	33.97	50.62	78.56
Terrestrial Lichen Cover (%)	81	47.88	38.55	0.38	0.46	0.17	0.37	3.54	3.11
	82	48.96	37.37	0.05	0.10	0.11	0.20	1.25	3.17

[a] Full names and descriptions of habitat types in section 3.1 of First Report.

Total bryophyte and lichen cover changed very little (± 3%) in four stands, moderately (± 6%) in one stand, and greatly (± 20%) in three stands between 1981 and 1982. The two lichen-dominated communities (stand nos. 1 and 2) were quite stable in total cover, whereas three of the six moss-dominated communities decreased or increased greatly in cover. Each of the three habitat types represented in the project had one moss-dominated community which experienced a major decrease or increase in cover between 1981 and 1982; the fact that the PIGL [POTR] stand (no. 6) increased by 17.7% while the two stands (nos. 3 and 7) on the other two habitat types decreased by *ca.* 20% may or may not be purely coincidental (cf. annual changes in vascular plant cover noted in section 4.1.1 above).

Bryophyte and lichen dominance index (D) increased in five and decreased in three stands between 1981 and 1982, but the magnitude of these changes was apparently significant only in the three stands which experienced major changes in total cover (nos. 3, 6, and 7). Since stand no. 3 decreased significantly in both total cover and D, its major species must have decreased relatively more in cover than its minor species, giving a more equitable community. In contrast, stand no. 7 also decreased greatly in cover, but its dominance concentration increased from 0.31 to 0.41 between 1981 and 1982; hence its major species must have decreased relatively less in cover than its minor species. Finally, stand no. 6 increased significantly in both cover and D, meaning that its major byrophyte species must have increased relatively more in cover than its minor species. (cf. species in synthesis Table 6 in the First Report and Table 3 in this report).

Bryophyte and lichen diversity index (H') decreased in six of the eight stands between 1981 and 1982. The largest decrease (1.54 to 1.20) occurred in stand no. 7 on the PIMA [LALA] h.t., while the largest increase (0.84 to 0.95) occurred in stand no. 3 on the PIGL [PIBA] h.t. The latter stand was the only one to increase in evenness index (E) between 1981 and 1982; all seven others became less equitable in the distribution of cover among their component bryophyte and lichen species.

Our comments in section 4.1.1 concerning interpretation of apparent annual trends in the attributes of vascular plant communities apply equally here. Because two morphologically and ecologically different groups of plants, i.e., bryophytes and lichens, are treated together as one terrestrial community, interpretation of this assemblage may prove to be more difficult than that for the vascular plant community.

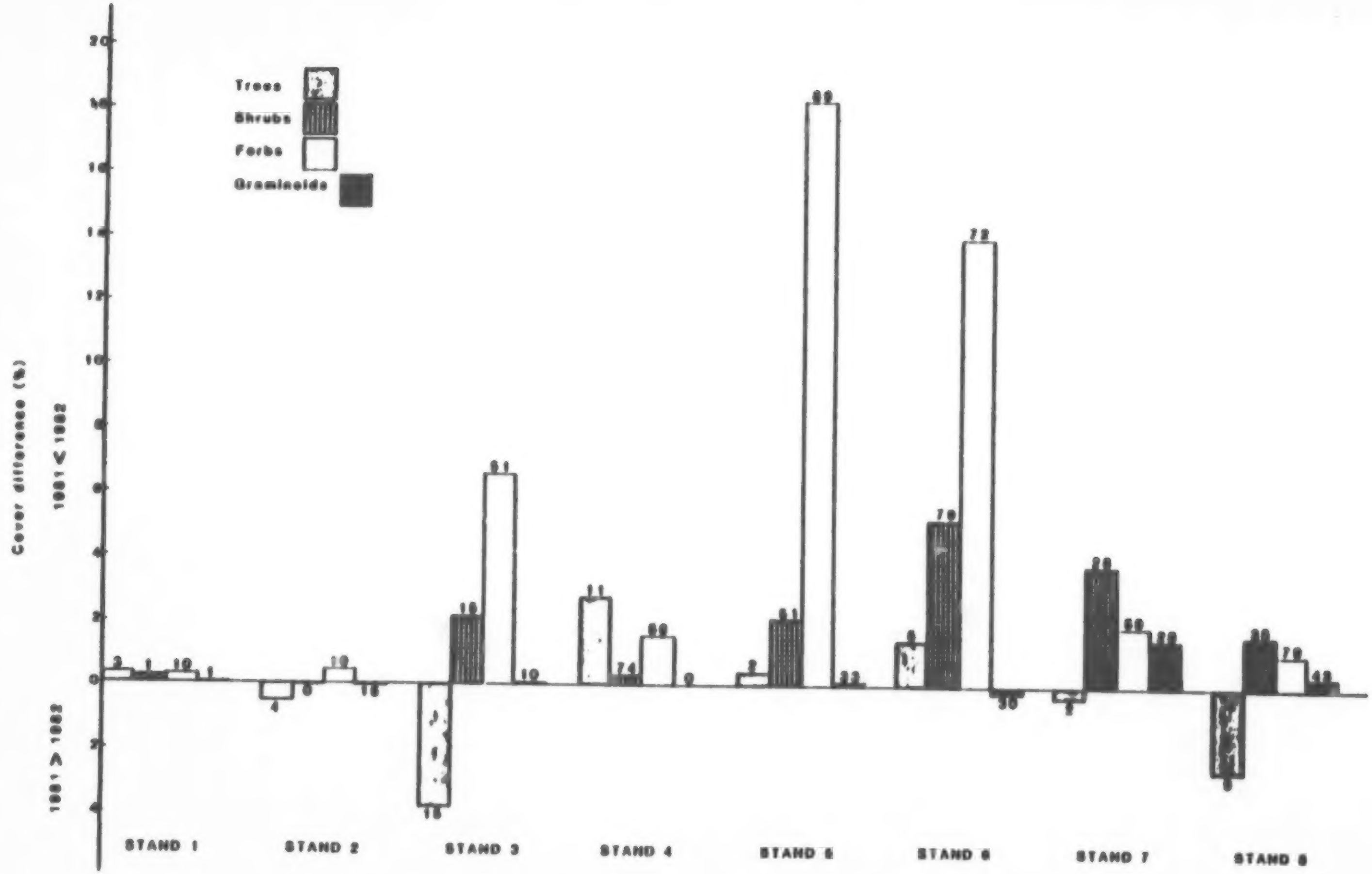
4.1.3 Percent Cover of Vascular Plant Growth-forms

Table 11 compares vascular plant growth-form cover data from the August 1981 and 1982 synthesis tables (Table 6 in First Report, Table 3 in this report). Striking changes in forb and shrub cover between years are evident. In reference stand nos. 3 through 8 forb cover increased by 51 to 89% relative to 1981 values. These increases were spread very evenly among both major and minor forb species. In stand no. 5, for example, 20 forb species increased in shoot cover, while only 2 evergreen forbs exhibited a decrease. The shrub response in stand nos. 3 through 8 was very similar, with relative shoot cover increases of 15 to 79% distributed evenly among most species.

Stand nos. 5 and 6 on the PIGL [POTR] h.t. showed the most dramatic increases in absolute shoot cover of forbs and shrubs. In contrast, stand nos. 1 and 2, the two youngest forests on the PIGL [PIBA] h.t., showed only slight increases in forb cover and virtually no change in shrub cover from 1981 to 1982.

The above-noted and other annual changes in cover of vascular plant growth-forms in the reference stands are graphically displayed in Figure 9. As discussed in section 4.1.1 and noted above, the PIGL [POTR] h.t. seems to be much more 'dynamic' than the other two h.t.s in terms of annual fluctuations in plant community attributes and the cover values of component plant growth-forms. Also, the tree growth-form was the only one showing a decrease in cover between 1981 and 1982 in as many as four stands; perhaps trees lag behind other vascular growth-forms and/or suffered more during 1981?

Figure 9. Comparison of August 1981 and August 1982 vascular plant growth-form shoot cover estimates in the eight SEADYN reference stands. Numbers above and below the zero bar are differences expressed as a percent of 1981 values.


Trees
Shrubs
Forbs
Graminoids
Cover difference (%)
1981 < 1982
1981 > 1982
20
18
16
14
12
10
8
6
4
2
0
2
4
STAND 1
STAND 2
STAND 3
STAND 4
STAND 5
STAND 6
STAND 7
STAND 8

In this connection it is notable that tree cover in both stands of the PIGL [POTR] h.t. did increase between 1981 and 1982.

4.1.4 Percent Cover of Terrestrial Bryophytes and Lichens

Bryophyte cover increased in five stands and decreased in three stands between 1981 and 1982 (Table 10). The most notable increase, both in absolute (17.9%) and relative (111%) terms, occurred in stand no. 6 on the PIGL [POTR] h.t., where feather mosses (e.g., *Pleurozium schreberi, Hylocomium splendens*) more than doubled their cover. This apparently exponential expansion occurs by radial growth from small patches with large perimeter:area ratios. The most notable decreases in bryophyte cover occurred in stand no. 3 on the PIGL [PIBA] h.t. and no. 7 on the PIMA [LALA] h.t.; both decreased ca. 20% in absolute cover and *ca.* 29% in relative cover. We are not now able to offer a plausible explanation for these large increases and decreases in bryophyte cover between June 1981 and August 1982.

Lichen cover increased in two stands and decreased in six stands between 1981 and 1982 (Table 12). The largest decrease in absolute cover (2%) occurred in stand no. 7 (see above). The largest increase in absolute cover (1%) took place in stand no. 1, which also has the highest lichen cover (49%).

Lichen cover in lichen-dominated stands increased or decreased much less than did bryophyte cover in bryophyte-dominated stands between June 1981 and August 1982. Hence lichens are much slower to respond to annual fluctuations in environmental conditions and resources than are bryophytes, based on the limited amount of data now available. As indicated in section 2.2.2 we are intensifying our observations of bryophyte and lichen phenodynamics and growth rates in reference stands, in an attempt to improve our understanding of the structural and functional roles of these small-but-important plants in boreal forest ecosystems.

4.2 COMPARISON OF PLANT COMMUNITIES IN REFERENCE STANDS OF THE SAME AND DIFFERENT AGE AND HABITAT TYPE

Hypothesis no. 13 of this project (First Report, section 1.3.1) states that the species composition, structure, richness, evenness, diversity and dominance attributes of the plant community change significantly during post-fire, secondary succession on a specified habitat type. Sites belonging to the same 'habitat type' (Daubenmire 1978) are 'biologically equivalent' (Cajander 1926) in terms of their climax community potential, i.e., they will support essentially the same end-product of plant succession. The purpose of this section is to briefly compare eight plant communities representing the same and different successional stages on the same and different habitat types in the Hondo - Lesser Slave Lake study area, based on the August 1982 monthly survey data given in this report (Tables 3, 4, 11, 12; see also section 3.3).

4.2.1 Vascular Plant Community Attributes

Total vascular plant cover on the relatively dry and infertile *Picea glauca* [*Pinus banksiana*] habitat type increases from 0% after wildfire to *ca.* 40% in the 42-year old stand (no. 1), to *ca.* 50% at age 62 years (no. 2), and *ca.* 60% at 82 years (no. 3). Sometime after this, total cover begins to decrease, reaching *ca.* 50% at 128 years (no. 4). On the relatively wet and infertile *Picea mariana* [*Larix laricina*] h.t., vascular cover also reaches *ca.* 50% in the 62-year old stand (no. 7); thereafter cover decreases even more than in the PIGL [PIBA] h.t., falling to *ca.* 40% at 128 years (no. 8). On the relatively moist and fertile *Picea glauca* [*Populus tremuloides*] h.t., vascular cover reaches *ca.* 75% in the 73-year old stand (no. 5), which is significantly higher than in stands of comparable age on the other two h.t.s. Furthermore, this high cover is sustained in the 128-year old stand (no. 6), whereas vascular cover in equally old stands on the other two h.t.s. decreases markedly.

Vascular species diversity (*H'*) and evenness (*E*) on the PIGL [PIBA] h.t. increase to maximum values in the middle-age stand (no. 3), when mature *Pinus banksiana* still dominates the overstory, then decrease as *Picea glauca* and *Abies* become co-dominant (no. 4). *H'* and *E* decrease greatly between 62 and 128-year old stands on the PIMA [LALA] h.t., and increase slightly during a similar time interval on the PIGL [POTR] h.t. Vascular species dominance index (*D*) shows the opposite trend, as expected.

It thus appears that vascular plant cover, species diversity and species evenness increase to moderately high maximum values in middle-aged stands, then decrease during later stages of plant succession on the two less-fertile habitat types, but attain higher values which continue to increase for at least the first 128 years on the more fertile PIGL [POTR] h.t.

4.2.2. Percent Cover of Vascular Plant Growth-Forms

Comparing the estimated cover of vascular plant growth-forms in stands of the three habitat types (Table 9), it is obvious that tree cover increases during plant succession on all three h.t.s. However, the immediate, post-fire, rate of increase in tree cover appears to be much higher on the PIGL [POTR] h.t., reaching a relatively stable asymptote (*ca.* 30%) well before 73 years (no. 5). On the PIGL [PIBA] h.t. tree cover after fire increases very slowly but apparently reaches a higher asymptotic level (*ca.* 45%). On the PIMA [LALA] h.t. tree cover also increases slowly after fire, but reaches the same asymptotic level (*ca.* 30%) as it does on the PIGL [POTR] h.t.

Shrub cover in stands of the PIGL [PIBA] h.t. attains a maximum value (*ca.* 30%) in young stands, then decreases to very low values (< 1%) as tree cover increases. On the PIMA [LALA] h.t. shrub cover may also reach maximum values (*ca.* 15%) in young stands (we have no young stands to test this hypothesis) and does decrease in older stands, but is still at moderate levels (*ca.* 5%) in the 128-year old stand. On the PIGL [POTR] h.t. shrub cover probably shows a bimodal

pattern, with high values in very young stands (no data), moderate values (*ca.* 10%) in old stands, and lower values (*ca.* 5%) in middle-age stands.

Forb cover on the PIGL [PIBA] h.t. increases during the first half of plant succession, reaching peak values (*ca.* 20%) in the middle-age stand, then decreases to a moderate value (*ca.* 5%) in the old stand. On the PIMA [LALA] h.t. forb cover apparently also reaches a peak during an early stage of succession, then decreases gradually thereafter, reaching a low value (*ca.* 2%) in the old stand. In contrast, forb cover on the PIGL [POTR] h.t. behaves very much like tree cover, i.e., attaining a moderately high asymptotic value (*ca.* 35%) rather quickly after fire and then remaining close to this value for as long as 128 years.

Graminoids are quantitatively important only on the PIMA [LALA] h.t., where they achieve moderate cover (*ca.* 5%) in the 62-year old stand, but decrease in cover to a low value (1%) in the old stand. Pteridophytes are present but of minimal importance in all stands.

Similar comparisons of terrestrial bryophyte and lichen communities and growth-forms (Table 12) will be made in future reports. The above and preceding statements (e.g., in section 4.1) about successional changes in plant communities on the three habitat types must be strongly tempered by the intensive cf. extensive nature of the SEADYN Project (see First Report, section 1.1). In order to accurately monitor short-term dynamic variations (e.g., intra-seasonal, seasonal, annual) in boreal ecosystems, we had to limit the scope of our attention to eight reference stands within a circumscribed study area. Not all successional stages are found within the study area for each habitat type (see First Report, sections 2.2, 3.1, 4.2), and not all of those present could be included and/or replicated. Hence, our assertions arising from comparisons of the eight reference stands must be regarded as hypotheses and must be tested, e.g., by extensive work in the study area.

4.3 INFLUENCE OF HERBIVORES

Judging from the decreased amount of browsing and girdling damage to shrub and immature tree populations in the reference stands during the winter of 1981-82 cf. 1980-81 (see First Report, section 5.6) and less frequent sightings of animals during the snow-free season of 1982 cf. 1981, we think the Snowshoe Hare population in the study area must have declined considerably in density. Preferred food species (e.g., *Betula pumila, Salix pedicellaris,* and *S. candida* in stand no. 7) increased in relative shoot cover in 1982 cf. of 1981, but the magnitude of their recovery varied greatly (30%, 50%, 15%, respectively). Some shrub populations produced very few flowers in 1981, because their floral buds were eaten by Snowshoe Hare, but produced many more flowers in 1982 (e.g., *Amelanchier alnifolia, Prunus pensylvanica*).

Weather conditions in the study area during the winter of 1981-82 and spring of 1982 permitted another large outbreak of Tent Caterpillar in late May and early June. Reference stand nos. 3, 5, and 6 again supported much larger caterpillar populations than the other five stands and were, consequently, more affected by their feeding activities. Nonetheless, the 1982 outbreak was significantly less severe in terms of its impact on preferred understory plant species. The preferred tree species, *Populus tremuloides*, was again almost totally defoliated, but understory shrub and forb species (e.g., *Viburnum edule* and *Cornus canadensis* in stand nos. 5 and 6) were much less affected in 1982 (see section 3.4) than in 1981. As a result, preferred understory species populations recovered greatly in 1982, both in their own abundance cf. 1981 and in relation to other, little-used species.

For example, *Viburnum edule* in stand no. 6 was the first--ranked shrub (cover 6.1%) in August 1980; the fifth-ranked shrub (1.3%) in August 1981; and the third-ranked shrub (3.8%) in August 1982. *Cornus canadensis* in stand no. 5 (Figure 1) was the second--ranked forb (6.8%) in 1980; the fourth-ranked forb (1.6%) in 1981; and the third-ranked forb (5.2%) in 1982.

Because of the reduced amount of differential feeding pressure in 1982 cf. 1981 the species structure and species dominance hierarchies of the vascular plant communities (see First Report, section 1.2) seem to be returning to their pre-outbreak, i.e., 1980, configurations. These and other herbivore-implicated shifts in the relative abundance of species, changes in species structure, and changes in species dominance hierarchy may be readily seen and compared using the computer-plotted curves and hierarchies in Appendix 6.1.

4.4 OBJECTIVE QUANTITATIVE DATA NEEDED FROM MONTHLY SURVEYS OF PLANT COMMUNITIES

The method used to estimate shoot cover of vascular plants and thallus cover of terrestrial bryophytes and lichens in the eight reference stands in 1980, 1981 and 1982 (see section 3.3 in First Report) is very rapid and efficient and causes minimal damage to the plant communities when used at monthly intervals. It is, however, a subjective, ocular method that can only be used effectively by experienced and 'calibrated' investigators who are involved on a continuing basis.

For the first two snow-free seasons of the SEADYN Project Bob Ellis and George La Roi jointly completed the monthly vascular plant surveys and Mike Ostafichuk completed the monthly bryophyte and lichen surveys in the Hondo - Lesser Slave Lake study area. The same three persons completed the annual August surveys in the Athabasca Oil Sands study area (Ostafichuk and La Roi 1983). In 1983 Bob Ellis will be conducting monthly surveys of both vascular plants and terrestrial bryophytes and lichens in eight reference stands of the Athabasca Oil Sands study area. Mike Ross and George La Roi will jointly complete the monthly surveys of vascular plants and Mike Ostafichuk will continue to survey bryophytes and lichens in the Hondo - Lesser Slave Lake study area. Thus, a turnover of participating scientists has begun.

For long-term studies of dynamic variations in plant cover there is clearly a need for a dependable, objective survey method that gives results which complement and reinforce those obtained from the more subjective, ocular method, and which are not adversely affected by periodic turnovers in staff. Additionally, future ecological monitoring agencies will need to employ trained technical staff to make vegetational observations at numerous survey stations, in much the same way as standard meteorological observations are routinely made at present.

Accordingly, we have decided to employ the line intercept method of estimating plant cover (Canfield 1941, Mueller-Dombois and Ellenberg 1974: p 90) in 1983 in concert with the previously used method. A comparison of results obtained from the two methods will be presented and discussed in the next report.

4.5 POLLUTION MONITORING INSTRUMENTATION NEEDED

All of the meteorological instruments thus far put into operation in the study area are designed to measure natural atmospheric variables (e.g., temperature, humidity, precipitation, solar radiation, wind). The First Report (section 5.8) stated that one of the basic functions of the Hondo - Lesser Slave Lake reference stands is to provide baseline information on the structural dynamics and other functions of natural ecosystems in a clean airshed, i.e., one in which concentrations of atmospheric contaminants are negligible or nil. We still have no direct evidence to test this hypothesis. We, therefore, again recommend installation of standard pollution monitoring instruments at the Hondo and Northwest recording stations, where they can be operated for the balance of the five-year period (1983-85). Information from these proposed pollution monitoring stations in the study area can then be used to assess its designation as a 'control area' for comparison with analogous natural ecosystems in the Athabasca Oil Sands study area of northeastern Alberta.

4.6 WINTER STUDIES NEEDED

In the First Report (section 5.10) we drew attention to the need for data on the structural dynamics of the snowpacks in the eight reference stands, i.e., how they develop, how they vary in physical and chemical properties in both spatial and temporal dimensions, how much snow is retained and vaporized by the system compared with surface runoff and groundwater losses, etc.

Thus far we have no good data to test the hypotheses that (1) different successional stages on the same habitat type differ significantly in terms of their winter snowpack properties, and (2) habitat types differ significantly in their winter snowpack properties.

Unfortunately, we were not able to install a Sacramento totalizing snow gauge at the Hondo station during the summer of 1982, so we have no 1982-83 winter snow data from the study area.

During the summer of 1983 Mr. Ross Hastings will begin a Ph.D. research project that will, for the first time, concentrate on the physical and chemical properties of the winter snowpacks in the eight reference stands. He will establish and operate several snow courses, collect snow samples for chemical analyses, and measure snowfall amounts with the Sacramento snow gauge and other instruments. Considerable attention will be given to snowfall interception, snow re-distribution and other influences of trees on snow in reference stands. Some preliminary results of this winter study will be given in the next report.

4.7 ENERGY EXCHANGE AND LIGHT QUALITY MEASUREMENTS NEEDED

In section 4.2 above it was shown that plant communities of the same and different ages and habitat types vary greatly in composition, cover, diversity and other attributes. Since plant species and their developmental stages vary in their energy exchange properties (Gates 1962; e.g., emissivity, reflectance, transparency, specific heat, latent heat) it is tc be expected that patterns of energy exchange in boreal ecosystems will change during the course of plant succession from pioneer to climax. Hence incoming radiant

energy will be 'used' in different ways as the kinds of plant species and sizes of plant populations change.

The quantity and quality of light energy reaching the forest interior must vary as the seral and climax trees come and go in the forest canopy. Experimental ecophysiological research has shown that growth and development processes in many plants are closely controlled by the relative amounts of light of different colors that impinge upon the plants at different stages in their life cycles. It is thus possible that the forest canopy controls the species composition and species structure of the vascular, bryophyte and lichen understory components by regulating not only the quantity but also the quality of light (and other resources) available to the understory.

To test some of these hypotheses we applied to and received from the Natural Sciences and Engineering Research Council of Canada an equipment grant to purchase a portable, integrating, spectral radiometer. We will use this instrument to measure light energy exchange above and below the forest canopy during the course of the snow-free and winter seasons in the eight reference stands. These measurements will enable us to (1) describe the spectral dynamics of boreal ecosystems during the course of the annual cycle of energy exchange, (2) compare the spectral dynamics of different successional stages, and (3) compare the spectral dynamics of forests of the same age on different habitat types.

Spectral measurements during the 1983 snow-free season will be of an exploratory nature, preparatory to a comprehensive observation program in 1984. Some preliminary results will be presented in the next report.

4.8 INSTRUMENT TOWERS NEEDED IN REFERENCE STANDS

It is widely known that vertical gradients of shoot biomass, leaf area, meteorological variables, environmental pollutants, carbon dioxide, oxygen, light intensity, and light quality occur in all terrestrial ecosystems, but these gradients are especially pronounced in forests with well-developed tree canopies. The conventional and

most economic way to describe these gradients is to make the necessary measurements on instrument towers located in typical sites within the forest.

We hypothesize that vertical gradients of plant community and environmental variables vary in steepness and other properties during the annual cycle of seasons, during the course of plant succession, and between habitat types. For example, the understories of young forests or seasonally leafless forests should be more susceptible to pollution-induced damage because the tree canopies of such forests are more easily penetrated by parcels of polluted air than are those of older or evergreen tree canopies. The tree canopies of older forests might also intercept more winter snow and summer rain, leaving larger areas of shallow snow cover and dry patches than would be found in young forests. Similarly, light intensity and spectral quality may be more attenuated and modified under older, denser tree canopies than under younger, thinner ones.

To test these important hypotheses we strongly recommend that eight climbable instrument towers be acquired on loan from an appropriate government agency, that they be installed during the summer of 1983 by qualified staff in or immediately adjacent to each of the reference stands to a height of *ca*. 5 m above the tree canopy, and then instrumented and operated for a period of five years or until adequate data are obtained, after which they would be dismantled and returned to the government warehouse.

4.9 OTHER RESEARCH IN AND AROUND THE EIGHT REFERENCE STANDS

Fungal colonization of wood tissue in dead and down boles of *Populus tremuloides* and *Picea glauca* in reference stand nos. 5 and 6 and of *Pinus banksiana* in stand no. 3 is currently being investigated by Dr. Lorene Kennedy, Department of Botany, University of Alberta. This study began in 1981 and continued in 1982, with wood samples collected at intervals both summers and their fungi cultured in the laboratory. Practically all the fungi recorded are microscopic species. Data from 1981 indicate that the *P. tremuloides* fungal

micro-community is richer in species (28) than that of the *P. glauca* micro-community (15). Fourteen species were isolated only from *P. tremuloides* wood, and three only from *P. glauca* wood. Thus the two fungal micro-communities appear to be quite distinct, though they have some species in common.

The distribution and development of root systems in relation to succession, moisture regime, and nutrient regime was investigated during the summers of 1981 and 1982 in experimental plots adjoining the reference stands by Mr. Wayne Strong, who is currently writing his Ph.D. thesis in Botany—Plant Ecology on this project. Strong and La Roi have published one paper (1983) and are submitting other manuscripts arising from this research on the below-ground components of boreal forest ecosystems.

Nitrogen and phosphorus cycles and allocation to available and unavailable forms in living plant tissue, litter-fall, and soil along a successional gradient on the *Picea glauca* [*Pinus banksiana*] habitat type are being investigated by Mr. James Fyles as part of his Ph.D. thesis research in Botany and Soil Science. The field work for this project began in 1982, including reference stand nos. 1-4, and will continue in 1983-84.

Aspects of the ecological life history and population biology of *Aralia nudicaulis* (wild sarsaparilla) in reference stand nos. 2, 3, 4, and other plots in the study are currently being investigated by Mr. Larry Flanagan as part of his M.Sc. thesis research in Botany—Plant Ecology under the supervision of Dr. Walter Moser. This research is an outgrowth of an Honors Botany study Flanagan began in 1981.

A study of contemporary pollen deposits from regional and local sources in the study area has been initiated by Dr. Charles Schweger, Department of Anthropology, University of Alberta. Pollen traps were installed at heights of 50 cm and 7 m above ground on the south edges of the eight reference stands in early April of 1983. Pollen will be removed from the traps at frequent intervals during the 1983 pollen season to obtain quantitative data on the sequence of deposition and relative abundance of locally cf. regionally produced pollen.

A combined field and laboratory Ph.D. investigation of the carbon balance in selected boreal understory vascular species will be initiated in the study area during the summer of 1983 by Mr. Kevin Brown, Department of Forest Science, University of Alberta, under the supervision of Dr. Kenneth Higginbotham. Special emphasis will be placed on the effects of enhanced concentrations of carbon dioxide on growth and development.

Dr. Victor Lieffers, a Natural Sciences and Engineering Research Council of Canada post-doctoral fellow in the Department of Forest Science, University of Alberta, will initiate a study of primary productivity in boreal understory vascular plant strata in the study area in 1983.

Dr. Michael Ross, an Alberta Environment Research Trust post-doctoral fellow in the Department of Botany, University of Alberta, has initiated a two-year study of the population structure and dynamics of major tree and shrub species in the eight reference stands. He will serve as Director of the Hondo Research Laboratory during the 1983 and 1984 snow-free seasons.

5. REFERENCES CITED

Busby, J.R. 1976. Energy and water relations of some boreal forest mosses. Ph.D. Thesis, University of Alberta, Edmonton. 179 pp.

Clymo, R.S. 1970. The growth of *Sphagnum*: Methods of measurement. J. Ecol. 58: 13-49.

Environment Canada. 1975. Canadian normals, 1941-1970. Volume 1-SI. Temperature; Volume 2-SI. Precipitation. Downswview, Ontario.

First Report = La Roi and Ostafichuk, 1982a.

Gates, D.M. 1962. Energy exhange in the biosphere. Harper and Row, Publishers. New York, N.Y. 151 pp.

La Roi, G.H., and M. Ostafichuk. 1982a. Structural dynamics of boreal forest ecosystems on three habitat types in the Hondo - Lesser Slave Lake area of north central Alberta in 1981. Research Management Division, Alberta Environment, RMD-80/35A, and Recreation, Parks and Wildlife Foundation. 157 pp.

La Roi, G.H., and M. Ostafichuk. 1982b. Establishment and vegetation survey of 16 *Pinus banksiana*-dominated permanent plots for the Athabasca Oil Sands Ecological Monitoring Project in 1981. RMD Open File Report OF-34. Research Management Division, Alberta Environment. 133 pp.

Lieth, H. 1970. Phenology in productivity studies. Pages 29-46 in D.E. Reichle, ed. Analysis of temperate forest ecosystems. Ecological Studies 1. Springer-Verlag, New York. 304 pp.

Ostafichuk, M., and G.H. La Roi. 1983. Progress report for 1982: *Pinus banksiana*-dominated permanent plots, The Athabasca Oil Sands Ecological Monitoring Project. In manuscript.

Number/
Numéro

2

STRUCTURAL DYNAMICS OF BOREAL FOREST ECOSYSTEMS ON THREE HABITAT TYPES IN THE HONDO - LESSER SLAVE LAKE AREA OF NORTH CENTRAL ALBERTA IN 1982[a]

VOLUME II. APPENDIX

by

GEORGE H. LA ROI
MICHAEL S. ROSS
and
MIKE OSTAFICHUK
Department of Botany
University of Alberta

for

RESEARCH MANAGEMENT DIVISION
ALBERTA ENVIRONMENT
RMD-80/35A

and

RECREATION, PARKS AND WILDLIFE FOUNDATION

May 1983

---

[a] Contribution No. 4 of the SEADYN Project

STRUCTURAL DYNAMICS OF BOREAL FOREST ECOSYSTEMS ON THREE HABITAT TYPES IN THE HONDO - LESSER SLAVE LAKE AREA OF NORTH CENTRAL ALBERTA IN 1982[a]

VOLUME II. APPENDIX

RESEARCH MANAGEMENT DIVISION
UNEDITED
MATERIAL
O.F. 65, Vol. II

by

GEORGE H. LA ROI
MICHAEL S. ROSS
and
MIKE OSTAFICHUK
Department of Botany
University of Alberta

for

RESEARCH MANAGEMENT DIVISION
ALBERTA ENVIRONMENT
RMD-80/35A

and

RECREATION, PARKS AND WILDLIFE
FOUNDATION

May 1983

---

[a] Contribution No. 4 of the SEADYN Project

6. APPENDIX

[See Table of Contents in Volume I]

6.1 1982 QUANTITATIVE DATA FOR REFERENCE STANDS: COMPUTER PRINT-OUT

The following 269 pages of computer output are drawn from the computer files of the SEADYN Project, under the direction of Mr. Bill Lee, computer programmer-analyst. Reference to appropriate sections of the First Report and the present report will help explain details in this section, which is mostly self-explanatory.

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PIBA	PIGL	POTR	ALCR	AMAL	ARUV	PRPE	PRVI	ROAC	RUST	SABE	SHCA	SYAL	VAMY	VAVI	ACMI	ANMU	ANPA	ANRA	ARCA	ASLA	CARC	EPAN	ERC.
MA11																									
	0A	1 00	0	0	0	010	12 0	010	0	010	0	0	0	0	010	3 00	0	0	0	0	0	010	0	0	010
	0C	30 0	0	0	0	010	1 00	0	0	010	0	0	0	0	010	010	0	0	0	0	0	0	0	0	0
	0E	6 00	0	0	100	010	25 0	0	0	0	0	0	010	0	010	8 00	0	0	0	0	0	0	0	0	0
	0G	10 0	0	0	010	010	15 0	010	0	010	010	0	0	0	010	20 0	0	0	010	100	0	010	0	0	0
	0I	9 00	0	0	2 00	010	5 00	0	0	010	0	0	0	0	100	10 0	0	0	0	0	0	0	0	0	0
	2I	7 00	0	0	1 00	0	20 0	010	0	010	010	0	0	0	100	15 0	0	0	0	0	0	010	0	0	0
	2G	15 0	0	0	0	010	10 0	010	0	0	0	0	0	0	010	10 0	0	0	0	0	0	0	0	0	0
	2E	5 00	0	0	0	010	15 0	0	0	0	0	0	010	0	010	15 0	0	0	0	0	0	010	0	0	100
	2C	12 0	0	0	0	010	15 0	0	0	010	0	0	0	0	100	5 00	0	0	0	0	0	0	010	0	0
	2A	20 0	0	0	100	010	10 0	0	0	010	0	0	100	010	010	5 00	0	0	0	0	0	0	0	0	0
	4A	6 00	0	0	0	010	6 00	0	0	010	0	0	0	0	0	500	0	0	0	0	010	010	0	0	010
	4C	7 00	0	0	0	100	15 0	0	0	010	0	0	0	0	010	4 00	0	0	0	0	0	0	0	0	0
	4E	4 00	0	100	0	100	10 0	0	0	100	0	010	0	0	100	10.0	0	0	0	100	0	0	010	0	0
	4G	6 00	0	0	0	0	20 0	0	0	010	0	0	0	0	100	10 0	0	0	010	0	0	010	0	0	0
	4I	5 00	100	0	0	0	30 0	010	0	010	0	0	010	0	0	2 00	0	0	0	0	0	0	0	0	0
	6I	5 00	0	0	0	010	15 0	0	0	0	0	0	0	0	100	5.00	0	0	0	0	0	010	0	0	0
	6G	15 0	0	0	0	010	25 0	0	0	010	0	0	0	0	010	10 0	0	0	0	0	0	010	0	0	0
	6E	5 00	0	0	0	010	15 0	0	0	010	0	0	0	0	010	8 00	0	0	010	0	0	010	0	0	0
	6C	6 00	0	0	0	100	20 0	0	0	0	0	0	0	0	010	5 00	0	0	0	0	0	0	0	0	0
	6A	6 00	0	0	0	010	12 0	0	0	010	0	0	0	0	010	3 00	0	0	0	0	0	010	0	0	010
	8A	1 00	0	0	0	0	10 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0
	8C	20 0	0	0	0	0	25 0	0	0	0	0	0	0	0	010	7 00	0	0	0	0	0	0	0	0	0
	8E	500	0	0	0	010	20 0	0	0	010	0	0	0	0	010	3 00	0	0	0	0	0	010	0	0	010
	8G	15 0	0	0	0	010	25 0	0	0	010	0	0	0	0	010	3 00	0	0	010	0	0	0	0	0	0
	8I	7 00	0	0	0	010	20 0	0	0	010	0	0	0	0	0	2 00	0	0	0	0	0	010	0	0	0
Mean		8 94	004	004	128	019	15 2	002	0	011	001	000	005	000	030	5 54	0	0	002	002	000	005	001	0	001
JN10																									
	0A	500	0	0	0	100	7 00	100	0	500	0	0	0	0	500	3 00	010	100	0	0	0	100	010	0	0
	0C	20 0	0	0	0	100	1 00	010	0	100	0	0	0	0	100	0	0	100	0	0	0	010	0	0	0
	0E	4 00	0	0	500	010	20 0	0	0	0	0	0	100	0	100	5 00	0	010	0	0	0	0	100	0	0
	0G	4 00	0	0	100	0	7 00	100	0	100	010	0	0	0	100	12 0	0	100	0	100	0	100	010	0	0
	0I	15 0	0	0	500	100	3 00	0	0	500	010	0	0	0	500	10 0	0	100	0	0	0	0	0	0	0
	2I	3 00	0	0	1 00	0	5 00	010	0	500	100	0	0	0	1 00	10 0	0	100	100	0	0	0	0	0	0
	2G	8 00	0	0	0	500	12 0	100	0	0	0	0	0	0	500	12 0	0	100	0	0	0	010	010	0	0
	2E	4 00	0	0	0	100	20 0	010	0	100	0	0	100	0	500	7 00	0	0	010	0	0	100	010	0	010
	2C	6 00	0	0	0	100	15 0	0	0	100	0	0	0	0	500	1 00	0	100	0	0	0	010	010	0	0
	2A	8 00	0	0	100	0	10 0	0	0	500	0	0	500	0	1 00	7 00	0	010	0	0	0	0	010	0	0
	4A	3 00	0	0	0	100	5 00	0	0	100	0	0	0	0	0	500	0	0	100	0	0	100	010	0	100
	4C	4 00	0	0	0	100	10 0	0	0	1 00	0	0	0	0	100	2 00	0	100	0	0	0	100	0	0	010
	4E	5 00	0	1 00	0	500	15 0	0	0	500	0	010	0	0	1 00	15 0	0	010	0	100	0	100	0	0	010
	4G	10 0	0	0	0	0	15 0	0	0	010	0	0	010	0	1 00	8 00	0	010	010	0	0	100	0	0	0
	4I	5 00	100	0	0	0	25 0	100	0	010	0	0	010	0	0	5 00	0	010	010	0	0	010	0	0	0
	6I	6 00	0	0	0	010	25 0	0	0	010	0	0	0	0	1 00	12 0	0	010	010	0	0	010	010	0	0
	6G	15 0	0	0	0	010	20 0	0	0	100	0	0	0	0	100	15 0	0	010	0	0	0	010	0	0	0
	6E	6 00	0	0	0	100	10 0	0	0	1 00	0	0	0	0	500	10 0	0	010	010	0	0	100	010	0	0
	6C	6 00	0	0	0	500	30 0	0	0	0	0	0	0	0	1 00	5 00	0	010	010	0	0	010	010	0	0
	6A	6 00	0	0	0	100	15 0	0	0	100	0	0	0	0	500	6 00	0	010	0	0	0	100	0	0	100
	8A	1 00	0	0	0	0	10 0	0	0	0	0	0	0	0	0	100	0	0	010	0	0	100	0	0	010
	8C	20 0	0	0	0	010	30 0	0	0	0	0	0	0	0	1 00	8 00	0	010	010	0	0	010	0	0	010
	8E	3 00	0	0	0	500	15 0	0	0	010	0	0	0	0	500	3 00	0	010	0	0	010	500	0	0	010
	8G	15 0	0	0	0	010	25 0	0	0	100	0	0	0	0	500	4 00	0	010	010	0	0	010	0	0	0
	8I	10 0	0	0	0	010	25 0	0	010	100	0	0	0	0	0	1 00	0	010	010	0	0	010	0	0	010
Mean		7 50	004	040	568	118	18 5	017	000	218	005	000	025	0	480	6 42	000	038	012	008	000	064	002	0	011
JL10																									
	0A	1 00	0	0	0	1 00	20 0	500	0	1 00	0	0	0	0	100	4 00	010	.010	010	0	0	100	010	0	010
	0C	25 0	0	0	0	100	2 00	010	0	100	0	0	0	0	010	010	0	010	010	0	0	010	0	0	010
	0E	6 00	0	0	1 00	100	30 0	0	0	0	0	0	500	0	100	15 0	0	100	0	0	0	010	010	0	0
	0G	11 0	0	0	1 00	500	15 0	100	0	100	100	0	0	0	100	20 0	0	0	100	100	0	100	010	0	0
	0I	15 0	0	0	20 0	1 00	7 00	0	0	500	100	0	0	0	1 00	15 0	0	0	010	0	0	010	0	0	0
	2I	6 00	0	0	4 00	010	12 0	1 00	0	1 00	100	0	0	0	1 00	15 0	0	010	100	0	0	010	0	0	0
	2G	13 0	0	0	0	1 00	15 0	100	0	100	0	0	0	0	100	15 0	0	010	010	0	0	100	0	0	0
	2E	8 00	0	0	0	1 00	25 0	100	0	100	0	0	500	0	500	15 0	0	010	010	0	0	100	100	0	100
	2C	15 0	0	0	0	500	20 0	0	0	500	0	0	0	0	100	5 00	0	010	010	0	0	500	010	0	0
	2A	18 0	0	0	2 00	100	15 0	0	0	1 00	0	0	2 00	0	1 00	10 0	0	0	100	0	0	0	010	0	0
	4A	6 00	0	0	0	1 00	5 00	0	0	100	0	0	0	0	0	500	0	0	0	0	100	100	0	0	100
	4C	7 00	0	0	0	1 00	15 0	0	0	1 00	0	0	0	0	500	5 00	0	010	0	0	0	100	010	0	0
	4E	5 00	0	500	0	2 00	10 0	0	0	2 00	0	100	0	0	1 00	18 0	010	100	0	0	0	100	010	0	100
	4G	10 0	0	0	0	100	12 0	0	0	1 00	0	0	100	0	2 00	12 0	0	100	0	0	0	100	010	0	0
	4I	7 00	500	0	0	0	20 0	100	500	100	0	0	100	0	0	7 00	0	100	0	0	0	100	010	0	0
	6I	7 00	0	0	0	100	30 0	0	0	100	0	0	0	0	1 00	7 00	0	100	0	0	0	100	010	0	0
	6G	15 0	0	0	0	500	20 0	0	0	1 00	0	0	0	0	500	5 00	0	0	0	0	0	100	0	0	0
	6E	3 00	0	0	0	1 00	15 0	0	0	1 00	0	0	0	0	1 00	7 00	0	100	0	0	0	500	010	0	0
	6C	5 00	0	0	0	2 00	20 0	0	0	0	0	0	0	0	1 00	4 00	0	100	0	0	0	500	010	0	100
	6A	5 00	0	0	0	500	17 0	0	0	500	0	0	0	0	1 00	3 00	0	100	0	0	0	500	010	0	010
	8A	500	0	0	0	0	10 0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	500	010	0	100
	8C	15 0	0	0	0	500	15 0	0	0	0	0	0	0	0	1 00	5 00	0	100	010	0	0	100	010	0	100
	8E	500	0	0	0	1 00	10 0	0	0	500	0	0	0	0	500	1 00	0	0	010	0	010	500	0	0	010
	8G	15 0	0	0	0	500	18 0	0	0	500	0	0	0	100	500	2 00	0	500	0	0	0	500	010	0	0
	8I	6 00	0	0	0	100	20 0	0	100	100	0	0	0	0	0	500	0	100	0	0	0	500	010	0	0
Mean		9 00	020	020	1 12	624	15 5	076	024	492	012	004	168	004	560	7 64	001	062	015	004	005	210	011	0	026
AUG8																									
	0A	2 00	0	0	0	1 00	12 0	500	100	500	0	0	0	0	100	500	100	010	0	0	0	500	010	0	100
	0C	25 0	0	0	0	500	1 00	100	0	500	0	0	0	0	100	100	0	100	0	0	0	100	0	0	100
	0E	10 0	0	0	1 00	100	25 0	0	0	0	0	0	500	0	100	2 00	0	010	0	0	0	100	100	0	100
	0G	4 00	0	0	500	500	20 0	100	0	100	100	0	0	0	100	15 0	0	010	100	100	0	500	010	0	100
	0I	15 0	0	0	20 0	500	5 00	0	0	1 00	100	0	0	0	2 00	10 0	0	100	0	0	0	100	010	0	0
	2I	3 00	0	0	4 00	0	15 0	500	0	1 00	500	0	0	0	4 00	10 0	0	100	100	0	0	500	010	0	0
	2G	20 0	0	0	0	500	12 0	0	0	100	0	0	0	0	100	15 0	0	100	0	0	0	500	010	0	0
	2E	10 0	0	0	0	1 00	20 0	100	0	0	0	0	500	0	500	5 00	0	100	0	0	0	500	010	0	100
	2C	20 0	0	0	0	500	15 0	0	0	500	0	0	0	0	500	3 00	0	100	0	0	0	500	010	0	0
	2A	20 0	0	0	100	500	12 0	0	0	500	0	0	1 00	0	500	7 00	0	500	0	0	0	100	010	0	0
	4A	5 00	0	0	0	500	7 00	0	0	100	0	0	0	0	100	500	0	100	0	0	010	500	0	0	100
	4C	8 00	0	0	0	1 00	15 0	0	0	1 00	0	0	0	0	100	10 0	0	010	0	0	0	500	0	0	010
	4E	3 00	0	100	0	1 00	7 00	0	0	1 00	0	100	0	0	500	20 0	010	100	100	0	0	100	010	0	100
	4G	5 00	0	0	0	010	17 0	0	0	1 00	0	0	100	0	4 00	12 0	0	100	100	0	0	500	010	0	0
	4I	5 00	500	0	0	0	35 0	1 00	1 00	500	0	0	100	0	010	10 0	0	010	100	0	0	100	010	0	0
	6I	6 00	0	0	0	100	25 0	0	0	100	0	0	0	0	3 00	6 00	0	010	100	0	0	500	100	0	0
	6G	20 0	0	0	0	500	22 0	0	0	1 00	0	0	0	0	500	8 00	0	100	0	0	0	500	010	0	0
	6E	4 00	0	0	0	1 00	15 0	0	0	1 00	0	0	0	0	1 00	10 0	0	010	100	0	0	500	100	0	100
	6C	7 00	0	0	0	2 00	30 0	0	0	0	0	0	0	0	2 00	5 00	0	010	010	0	0	1 00	100	0	0
	6A	6 00	0	0	0	1 00	22 0	0	0	500	0	0	0	0	1 00	3 00	0	010	010	0	0	1 00	010	0	100
	8A	1 00	0	0	0	0	12 0	0	0	0	0	0	0	0	0	0	0	010	010	0	0	1 00	0	0	100
	8C	25 0	0	0	0	500	25 0	0	0	0	0	0	0	0	2 00	10.0	0	100	100	0	0	500	010	0	010
	8E	2 00	0	0	0	2 00	25 0	0	0	500	0	0	0	0	500	2 00	0	0	010	0	010	2 00	0	0	100

SEADYN Project, Hondo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PIBA	PIGL	POTR	ALCR	AMAL	ARUV	RRPE	PRVI	ROAC	RUST	SABE	SHCA	SYAL	VAMY	VAVI	ACMI	ANMU	ANPA	ANRA	ARCA	ASLA	CANO	EPAN	ERGL
	85	9 00	0	0	0	500	20 0	0	0	500	0	0	0	0	1 00	5 00	0	100	100	0	0	1 00	010	0	0
	81	7 00	0	0	0	100	25 0	0	100	100	0	0	0	0	0	1 00	0	010	100	0	0	1 00	0	0	0
Mean		9 68	020	004	1 02	812	17 2	092	048	460	028	004	088	0	948	5 80	004	072	062	004	001	864	022	0	045
8009																									
	04	1 00	0	0	0	1 00	12 0	500	0	500	0	0	0	0	500	2 00	100	100	010	0	0	500	010	0	1 00
	05	20 0	0	0	0	500	2 00	010	0	100	0	0	0	0	010	010	0	010	0	0	0	1 00	0	0	010
	08	10 0	0	0	1 00	100	30 0	0	0	0	0	0	500	0	100	8 00	0	010	0	0	0	1 00	010	0	1 00
	02	9 00	0	0	1 00	500	20 0	100	0	010	500	0	0	0	500	25 0	0	010	1 00	500	0	500	1 00	0	010
	01	11 0	0	0	9 00	1 00	9 00	0	0	500	100	0	0	0	2 00	15 0	0	0	010	0	0	1 00	010	0	0
	21	5 00	0	0	2 00	0	15 0	500	0	500	500	0	0	0	3 00	15 0	0	010	100	0	0	500	010	0	0
	25	10 0	0	0	0	100	15 0	010	0	100	0	0	0	0	100	15 0	0	0	010	0	0	1 00	010	0	0
	28	7 00	0	0	0	1 00	25 0	010	0	010	0	0	500	0	500	7 00	0	010	010	0	0	1 00	010	0	500
	22	15 0	0	0	0	100	25 0	0	0	100	0	0	0	0	500	7 00	0	010	0	0	0	500	010	0	0
	24	18 0	0	0	2 00	100	12 0	0	0	500	0	0	2 00	0	1 00	6 00	0	0	500	0	0	0	010	0	0
	44	5 00	0	0	0	500	8 00	0	0	100	0	0	0	0	0	2 00	0	0	010	0	010	1 00	010	0	1 00
	45	6 00	0	0	0	500	15 0	0	0	2 00	0	0	0	0	0	5 00	0	010	0	0	0	1 00	0	0	0
	48	5 00	0	1 00	0	2 00	20 0	0	0	2 00	0	500	0	0	4 00	30 0	0	010	100	500	0	1 00	010	0	0
	42	6 00	0	0	0	0	12 0	0	0	100	0	0	0	0	1 00	15 0	0	100	100	0	0	500	010	0	0
	41	7 00	100	0	0	0	27 0	0	500	100	0	0	100	0	1 00	5 00	0	0	100	0	0	500	0	0	0
	61	4 00	0	0	0	100	15 0	0	0	100	0	0	0	0	1 00	4 00	0	100	100	0	0	500	010	0	0
	65	17 0	0	0	0	100	17 0	0	0	500	0	0	0	0	500	8 00	0	0	010	0	0	500	010	0	0
	68	3 00	0	0	0	500	15 0	0	0	500	0	0	0	0	500	7 00	0	100	0	0	0	1 00	010	0	0
	62	4 00	0	0	0	100	20 0	0	0	0	0	0	0	0	500	6 00	0	100	0	0	0	1 00	010	0	0
	64	4 00	0	0	0	100	20 0	0	0	100	0	0	0	0	500	5 00	0	100	0	0	0	500	0	0	1 00
	84	500	0	0	0	0	12 0	0	0	0	0	0	0	0	0	1 00	0	0	0	0	010	500	0	0	1 00
	85	15 0	0	0	010	100	25 0	0	0	0	0	0	0	0	500	4 00	0	100	010	0	0	500	0	0	1 00
	88	500	0	0	0	100	12 0	0	0	010	0	0	0	0	100	500	0	010	0	0	010	1 00	0	0	1 00
	82	11 0	0	0	0	100	20 0	0	0	100	0	0	0	0	100	2 00	0	100	0	0	010	1 00	010	0	0
	81	6 00	0	0	0	100	25 0	0	0	100	0	0	0	0	0	2 00	0	100	100	0	0	1 00	0	0	0
Mean		8 04	004	042	640	248	17 2	048	020	321	044	020	124	0	680	7 86	004	040	051	040	002	596	010	0	049
8010																									
	04	500	0	0	0	010	15 0	010	0	010	0	0	0	0	1 00	2 00	0	0	0	0	0	1 00	0	0	010
	05	17 0	0	0	0	0	2 00	010	0	010	0	0	0	0	010	100	0	0	0	0	0	1 00	0	0	0
	08	8 00	0	0	100	010	25 0	0	0	0	0	0	1 00	0	010	2 00	0	010	0	0	0	010	0	0	1 00
	02	4 00	0	0	1 00	0	20 0	0	0	010	100	0	0	0	010	15 0	0	100	0	100	0	1 00	0	0	1 00
	01	8 00	0	0	2 00	010	5 00	0	0	010	010	0	0	0	1 00	8 00	0	0	0	0	0	0	010	0	0
	21	3 00	0	0	00	010	7 00	0	010	010	500	0	0	0	1 00	15 0	0	0	0	0	0	1 00	0	0	0
	25	8 00	0	0	0	010	10 0	010	0	010	0	0	0	0	010	17 0	0	0	0	0	0	1 00	0	0	0
	28	4 00	0	0	0	100	25 0	0	0	0	0	0	1 00	0	010	5 00	0	0	0	0	0	100	0	0	1 00
	22	10 0	0	0	0	0	17 0	0	0	010	0	0	0	0	100	5 00	0	0	0	0	0	1 00	0	0	0
	24	22 0	0	0	1 00	010	16 0	0	0	010	0	0	1 00	0	100	5 00	0	0	0	0	0	0	0	0	0
	44	4 00	0	0	0	100	7 00	0	0	010	0	0	0	0	100	500	0	0	0	0	0	00	0	0	010
	45	4 00	0	0	0	100	20 0	0	0	1 00	0	0	0	0	010	5 00	0	0	0	0	0	100	0	0	010
	48	2 00	0	010	0	100	12 0	0	0	1 00	0	010	0	0	500	20 0	010	0	0	0	0	1 00	0	0	1 00
	42	8 00	0	0	0	010	15 0	0	0	010	0	0	0	0	1 00	5 00	0	010	0	0	0	00	010	0	0
	41	7 00	500	0	0	010	20 0	010	00	0	0	0	010	0	0	5 00	0	010	010	0	0	500	0	0	010
	61	5 00	0	0	0	010	20 0	0	0	0	0	0	0	0	500	6 00	0	0	0	0	0	500	010	0	0
	65	20 0	0	0	0	010	30 0	0	0	1 00	0	0	0	0	500	12 0	0	0	0	0	0	1 00	0	0	0
	68	4 00	0	0	0	010	15 0	0	0	1 00	0	0	0	0	500	15 0	0	010	0	0	0	1 00	0	0	1 00
	62	8 00	0	0	0	010	26 0	0	0	0	0	0	0	0	500	7 00	0	0	0	0	0	1 00	010	0	0
	64	5 00	0	0	0	010	15 0	0	0	010	0	0	0	0	100	5 00	0	0	0	0	0	500	0	0	1 00
	84	2 00	0	0	0	0	12 0	0	0	0	0	0	0	0	0	500	0	0	0	0	010	500	0	0	1 00
	85	20 0	0	0	0	0	30 0	0	100	0	0	0	0	0	2 00	12 0	0	010	0	0	0	500	0	0	1 00
	88	2 00	0	0	0	1 00	15 0	0	0	0	0	0	0	0	1 00	2 00	0	0	0	0	150	00	0	0	500
	82	15 0	0	0	0	010	22 0	0	0	010	0	0	0	0	500	8 00	0	010	010	0	0	1 00	010	0	0
	81	7 00	0	0	0	0	25 0	0	0	010	0	0	0	0	0	2 00	010	010	0	0	0	00	0	0	0
Mean		7 66	020	000	132	026	18 8	002	044	021	024	000	048	0	310	7 22	001	007	001	004	004	388	007	0	094

```
TRANSPACE REQUIRED         1200 BYTES
    12 TRANSFORMATIONS
    15 RECODE VALUES + LAG VARIABLES
    82 IF COMPUTE OPERATIONS

CPU TIME REQUIRED      0.45 SECONDS


          45 REPORT          FORMAT = NOSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
          46                 VARIABLES = PLOTNO'Plot' (4) PRVI TO LYTR (4)
          47                 HEAD = 'SEADYN Project, Hondo-Slave Lake Stand 1'
          48                 'Monthly Survey of Vascular Plant Community'
          49                 'Species Cover % Values by 5x5 m Plots'
          50                 BREAK = SUBFILE Date (4)
          51                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      3284 BYTES FOR THIS TASK
```

SEADYN Project, Hondo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	FRVI	GABO	GELI	MICA	LAOC	LIBO	LIPH	MACA	PYSE	PYVI	SODE	VIAD	CXFO	CXUM	ELGL	ELIN	ORAS	ORPU	SCPU	EQVA	LYTR
MAY																						
	0A	010	0	0	0	0	0	0	0	0	0	010	0	0	500	010	010	010	100	0	010	0
	0C	0	0	0	0	0	0	0	0	0	0	010	0	0	100	010	010	0	010	0	010	0
	0E	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	010	0	010	0	010	0
	0G	0	0	0	0	0	4 00	0	0	0	0	0	0	0	500	0	010	0	010	0	010	0
	0I	0	0	0	0	0	2 00	0	0	0	0	0	0	0	500	0	010	010	010	0	0	0
	2I	0	0	0	0	0	5 00	0	0	010	0	0	0	0	500	0	010	010	010	0	010	0
	2G	0	0	0	0	0	1 00	0	0	100	0	0	0	0	100	0	0	010	010	0	010	0
	2E	0	0	0	0	0	0	0	0	0	0	010	0	0	100	0	010	0	010	0	010	0
	2C	0	0	0	0	0	0	0	0	0	0	010	0	0	010	0	010	0	010	0	010	1 00
	2A	0	0	0	0	0	500	0	0	100	0	0	0	0	010	0	0	0	010	0	010	2 00
	4A	0	0	0	0	0	0	0	0	0	010	0	0	0	100	0	010	0	100	0	010	0
	4C	0	0	0	0	0	0	0	0	0	0	010	0	0	500	0	010	0	010	0	010	1 00
	4E	0	0	0	0	0	1 00	0	0	100	100	0	0	0	500	0	100	010	100	0	010	500
	4G	0	0	0	0	0	1 00	0	0	0	010	010	010	0	100	010	010	0	010	0	010	0
	4I	0	0	0	0	0	100	0	0	0	500	010	0	0	100	0	0	0	010	0	0	0
	6I	0	0	0	0	0	0	0	0	0	0	010	0	0	010	0	0	0	010	0	010	0
	6G	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	010	0	010	0
	6E	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	010	0	010	0
	6C	0	0	0	0	0	100	0	0	0	010	0	0	0	100	0	0	0	010	0	010	0
	6A	0	0	0	0	0	100	0	0	0	0	010	0	0	100	0	0	0	010	0	100	0
	8A	0	0	0	0	0	0	0	0	0	010	0	0	0	100	010	010	0	010	0	010	0
	8C	0	0	0	0	0	100	0	0	0	010	010	0	0	010	0	0	0	010	0	100	0
	8E	0	0	0	0	0	0	0	0	0	0	0	0	0	100	010	0	0	100	0	010	0
	8G	0	0	0	0	0	500	0	0	0	0	010	010	0	100	010	0	0	010	0	010	0
	8I	0	0	0	0	0	100	0	0	0	0	0	010	0	500	0	010	0	010	0	010	0
Mean		000	0	0	0	0	534	0	0	012	026	004	001	0	198	002	003	002	024	0	015	220
JUNE																						
	0A	010	100	0	0	0	0	0	500	0	0	0	100	0	500	0	010	010	100	0	010	0
	0C	0	100	0	0	0	0	0	500	0	0	100	010	0	100	0	010	0	100	0	010	0
	0E	0	010	0	0	0	0	0	1 00	0	0	100	010	0	100	0	010	010	100	0	010	0
	0G	010	100	500	0	0	500	0	1 00	0	010	100	0	0	100	0	100	010	500	0	010	0
	0I	0	100	1 00	0	0	3 00	0	1 00	0	0	0	100	0	100	010	500	0	100	0	010	0
	2I	100	010	0	0	0	5 00	0	500	100	0	0	010	0	500	0	100	0	500	0	010	0
	2G	0	100	0	0	0	500	0	1 00	0	0	0	0	0	500	0	010	0	500	0	010	0
	2E	0	100	0	0	0	0	0	500	0	0	100	0	0	100	0	500	0	500	0	100	0
	2C	0	100	0	0	0	0	0	2 00	0	010	010	0	0	500	0	100	0	500	0	010	500
	2A	0	0	0	0	0	500	0	500	100	0	0	0	0	100	0	010	0	100	0	010	2 00
	4A	0	100	0	010	0	0	0	100	0	0	100	0	0	500	0	100	0	1 00	0	010	0
	4C	0	100	0	0	0	0	0	500	0	0	010	010	0	100	0	100	0	100	0	010	1 00
	4E	100	010	0	0	0	4 00	0	100	100	500	0	010	0	500	0	100	010	100	0	010	2 00
	4G	0	010	0	0	0	2 00	0	1 00	0	0	010	0	0	100	0	100	0	500	0	010	0
	4I	0	010	0	0	0	100	0	100	0	1 00	010	010	0	500	0	010	010	100	0	0	0
	6I	0	500	0	0	0	0	0	100	0	0	010	0	0	500	0	0	010	100	0	010	0
	6G	0	0	0	0	0	100	0	100	0	0	0	0	0	100	0	0	0	010	0	010	0
	6E	0	010	0	010	0	0	0	500	0	0	0	010	0	100	0	010	0	010	0	010	0
	6C	0	010	0	010	0	100	0	500	0	0	0	010	0	500	0	0	0	100	0	010	0
	6A	0	100	0	0	0	500	0	100	0	0	010	0	0	500	0	010	010	100	0	100	0
	8A	0	100	0	010	0	0	0	010	0	010	100	0	0	500	010	100	0	100	0	100	0
	8C	0	100	0	010	0	100	0	100	0	0	010	010	0	1 00	0	010	0	100	0	010	0
	8E	0	100	0	010	0	0	0	100	0	0	0	0	0	100	010	0	010	100	0	100	0
	8G	0	010	0	100	0	100	0	500	0	0	010	010	0	500	010	0	0	500	0	0	0
	8I	0	100	0	0	0	010	0	100	0	0	010	010	0	500	0	100	010	500	0	010	0
Mean		009	075	060	005	0	660	0	485	012	061	028	012	0	344	002	080	004	257	0	024	220
JULY																						
	0A	0	100	0	0	0	0	0	500	0	0	100	010	0	500	010	010	010	100	0	100	0
	0C	0	100	0	0	0	0	0	100	0	0	100	0	010	500	0	010	0	010	0	010	0
	0E	0	0	0	0	0	0	0	500	0	0	100	010	0	500	0	010	010	100	0	010	0
	0G	010	100	500	0	0	3 00	0	500	0	0	100	0	0	1 00	0	010	100	100	0	010	0
	0I	0	010	2 00	0	0	5 00	0	3 00	0	0	010	010	0	100	0	500	0	010	0	010	0
	2I	010	100	0	010	0	5 00	0	500	0	010	0	0	0	500	0	100	100	500	0	010	0
	2G	0	010	0	0	0	500	0	500	0	0	010	0	0	500	0	010	100	500	0	010	0
	2E	0	010	0	0	0	0	0	100	0	0	100	010	0	500	0	010	010	500	0	100	0
	2C	0	010	0	0	0	0	0	500	0	0	100	0	0	100	0	010	010	100	0	100	3 00
	2A	0	0	0	0	0	4 00	0	500	100	0	0	0	0	010	0	0	0	010	0	010	2 00
	4A	0	100	0	010	0	0	0	100	0	100	100	0	0	500	0	100	0	500	0	100	0
	4C	0	500	0	100	0	0	0	500	0	0	010	010	0	1 00	0	010	0	500	0	010	2 00
	4E	100	100	0	0	0	3 00	010	500	100	500	010	100	0	500	0	100	500	500	0	010	500
	4G	0	100	0	0	0	2 00	0	2 00	0	0	500	100	0	0	0	500	010	100	0	010	0
	4I	0	010	0	010	0	0	0	500	0	500	100	100	0	100	0	100	0	100	0	0	0
	6I	0	100	0	0	0	0	0	1 00	0	0	100	0	0	100	0	0	010	100	0	010	0
	6G	0	0	0	0	0	0	0	500	0	0	0	0	0	100	0	0	0	010	0	010	0
	6E	0	100	0	010	0	0	0	1 00	0	0	010	100	0	100	0	100	010	100	0	010	0
	6C	0	100	0	100	0	500	0	500	0	010	100	0	0	500	0	010	010	100	0	100	0
	6A	0	100	0	100	0	100	0	500	0	0	100	010	0	500	0	100	100	100	0	010	0
	8A	0	100	0	100	0	0	0	010	0	010	100	0	0	500	010	100	100	100	0	100	0
	8C	0	100	0	100	0	100	0	1 00	0	0	100	100	0	100	0	100	010	100	0	010	0
	8E	0	100	0	100	0	0	0	100	0	0	100	0	0	500	100	010	0	100	0	010	0
	8G	0	100	0	100	0	100	0	1 00	0	0	100	0	0	100	010	100	0	100	0	010	0
	8I	0	100	0	0	0	0	0	100	0	0	0	100	0	500	0	100	0	100	0	010	0
Mean		005	065	100	030	0	932	000	680	008	045	082	026	000	372	005	084	044	182	0	031	340
AUG																						
	0A	0	100	0	0	0	0	0	100	0	0	100	100	0	500	0	100	010	100	0	100	0
	0C	0	100	0	0	0	0	0	500	0	0	100	0	0	500	0	0	010	100	0	100	0
	0E	0	0	0	0	010	0	0	500	0	0	100	100	0	100	0	100	010	100	0	010	0
	0G	100	100	100	0	0	500	0	500	0	0	100	100	0	100	0	100	100	100	0	100	0
	0I	0	100	2 00	0	0	2 00	0	2 00	0	0	100	0	010	100	0	500	0	100	0	010	0
	2I	100	100	0	010	0	5 00	0	1 00	0	100	0	0	0	100	0	100	500	500	0	010	0
	2G	0	100	0	0	0	1 00	0	500	0	100	100	100	0	100	0	0	100	100	0	010	0
	2E	0	100	0	0	0	0	0	100	0	0	100	0	0	500	0	100	100	100	0	100	0
	2C	0	100	0	010	0	0	0	1 00	0	0	100	0	0	500	0	100	0	100	0	100	1 00
	2A	0	0	0	0	0	2 00	0	500	100	0	100	0	0	100	0	010	0	010	0	010	2 00
	4A	0	100	0	010	0	0	0	100	0	010	100	100	0	500	0	100	0	1 00	0	010	0
	4C	0	100	0	010	0	0	0	1 00	0	0	100	010	0	100	0	100	010	100	0	010	500
	4E	500	100	0	0	0	4 00	0	500	100	100	100	100	0	500	010	1 00	100	100	010	100	2 00
	4G	0	500	0	0	0	4 00	0	1 00	0	0	500	100	0	1 00	100	500	100	1 00	0	100	0
	4I	0	100	0	100	0	500	0	100	0	1 00	100	100	0	500	0	100	0	500	0	0	0
	6I	0	100	0	010	0	500	0	500	0	0	100	0	0	500	0	0	100	100	0	010	0
	6G	0	010	0	0	0	0	0	100	0	0	0	0	0	100	0	0	0	010	0	010	0
	6E	0	100	0	100	0	0	0	1 00	0	0	010	100	0	1 00	0	100	010	100	0	010	0
	6C	0	0	0	100	0	1 00	0	500	0	0	0	0	0	500	0	0	010	500	0	100	0
	6A	0	1 00	0	100	0	100	0	500	0	0	100	0	0	1 00	0	100	010	500	0	100	0
	8A	0	010	0	010	0	0	0	010	0	100	100	010	0	1 00	100	500	0	500	0	100	0
	8C	0	100	0	100	0	100	0	500	0	0	100	010	0	500	010	0	010	100	0	500	0
	8E	0	1 00	0	100	0	0	0	100	0	0	010	0	0	1 00	100	010	0	500	0	010	0

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PRVI	CABC	CELI	MICA	LADC	LIBO	LIPH	MACA	PYSE	PYVI	SODE	VIAD	CXFC	CXUM	ELGL	ELIN	ORAS	ORPU	SCPU	ECVA	LYTR
	89	0	010	0	010	0	100	0	1 00	0	0	100	010	0	1 00	100	010	0	500	0	0	0
	81	0	100	0	0	0	100	0	100	0	0	0	100	0	1 00	0	100	0	500	0	010	0
Mean		023	165	084	027	000	876	0	544	008	056	092	042	000	512	017	142	047	283	000	065	220
SE09	04	010	500	0	0	0	0	0	0	0	0	500	010	0	1 00	010	010	010	500	0	100	0
	05	0	010	0	0	0	0	0	0	0	0	100	0	010	500	0	010	0	100	0	010	0
	08	0	010	0	0	0	0	0	0	0	0	100	010	0	500	0	100	010	500	0	010	0
	09	010	100	100	0	0	2 00	0	0	0	0	100	100	0	1 00	0	010	010	500	0	010	0
	01	0	010	1 00	0	0	3 00	0	100	0	0	010	0	010	010	0	500	010	100	0	0	0
	21	100	010	0	0	0	4 00	0	0	100	010	0	010	0	1 00	0	100	100	1 00	0	0	0
	25	0	100	0	0	0	1 00	0	0	100	0	100	010	0	1 00	0	100	010	500	0	010	0
	28	0	100	0	0	0	0	0	0	0	0	100	0	0	500	0	100	0	500	0	100	0
	29	0	100	0	010	0	0	0	0	0	0	100	100	0	500	0	100	010	500	0	100	3 00
	24	0	010	010	010	0	2 00	0	0	100	0	0	0	0	100	0	0	0	100	0	010	2 00
	44	0	100	0	0	0	0	0	0	0	100	100	010	0	500	0	500	0	500	010	010	0
	45	0	500	0	010	0	0	0	010	0	0	500	100	0	2 00	0	100	0	100	0	010	1 00
	48	500	100	0	0	0	5 00	0	0	100	100	100	010	0	2 00	0	500	100	100	100	100	4 00
	49	0	100	0	0	0	4 00	0	0	0	0	100	100	0	500	010	500	100	100	0	010	0
	41	0	010	0	0	0	0	0	0	0	500	100	100	0	1 00	0	100	0	100	0	0	0
	61	0	100	0	0	0	0	0	0	0	0	100	010	0	100	0	0	010	100	0	100	0
	65	0	010	0	0	0	100	0	0	0	0	0	0	0	100	0	010	0	010	0	010	0
	68	0	010	0	010	0	0	0	010	0	0	100	100	0	500	0	100	010	100	0	010	0
	69	0	010	0	010	0	500	0	0	0	0	0	100	0	010	0	010	010	100	0	010	0
	64	0	100	0	0	0	100	0	0	0	0	100	100	0	2 00	0	100	100	100	0	010	0
	84	0	100	0	010	0	0	0	0	0	100	100	100	0	1 00	100	500	0	500	0	100	0
	85	0	100	0	010	0	0	0	010	0	0	100	100	0	2 00	0	010	010	500	0	100	0
	88	0	100	0	100	0	0	0	0	0	0	100	100	0	1 00	010	100	010	100	0	010	0
	89	0	100	0	0	0	100	0	0	0	0	100	100	0	500	010	010	0	100	0	010	0
	81	0	100	0	010	0	010	0	0	0	0	100	100	0	500	010	100	0	100	0	010	0
Mean		025	102	044	007	0	872	0	005	016	032	112	058	001	783	006	147	020	278	004	034	400
OC10	04	0	0	0	0	0	0	0	0	0	0	010	010	0	500	0	100	0	010	0	100	0
	05	0	0	0	0	0	0	0	0	0	0	010	0	0	500	0	010	0	010	0	010	0
	08	0	0	0	0	0	0	0	0	0	0	100	010	0	100	0	010	010	010	0	010	0
	09	0	0	0	0	0	100	0	0	0	0	010	010	0	100	0	100	010	100	0	010	0
	01	0	0	010	0	0	500	0	0	0	0	0	0	010	010	0	100	0	010	0	010	0
	21	010	0	0	0	0	4 00	0	0	100	0	0	0	0	100	0	100	100	100	0	100	0
	25	0	0	0	0	0	500	0	0	100	100	0	010	0	100	0	010	010	100	0	010	0
	28	0	0	0	0	0	0	0	0	0	0	100	010	0	100	0	010	0	100	0	100	0
	29	0	0	0	0	0	0	0	0	0	0	010	010	0	0	0	010	0	010	0	100	1 00
	24	0	0	0	0	0	500	0	0	100	0	0	010	0	010	0	0	0	010	0	010	2 00
	44	0	0	0	0	0	0	0	0	0	010	100	010	0	100	0	010	0	010	0	010	0
	45	0	0	0	0	0	100	0	0	0	0	100	100	0	100	0	100	0	010	0	010	1 00
	48	100	0	0	0	0	4 00	0	0	100	500	100	0	0	500	010	100	100	100	010	100	2 00
	49	0	100	0	0	0	4 00	0	0	0	0	100	010	0	500	010	500	100	100	0	010	0
	41	0	010	0	0	0	1 00	0	0	0	0	100	010	0	100	0	010	0	100	0	0	0
	61	0	010	0	0	0	0	0	0	0	0	100	0	0	500	0	0	010	010	0	100	0
	65	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	010	0	010	010
	68	0	010	0	0	0	0	0	0	0	0	0	010	0	500	0	100	010	010	0	010	0
	69	0	010	0	0	0	2 00	0	0	0	100	0	010	0	500	0	0	0	100	0	100	0
	64	0	010	0	010	0	1 00	0	0	0	0	100	010	0	2 00	0	010	0	100	0	100	0
	84	0	010	0	0	0	0	0	0	0	100	0	010	0	1 00	010	100	010	010	0	100	0
	85	0	010	0	010	0	0	0	0	0	100	100	010	0	0	0	010	0	100	0	100	0
	88	0	010	0	0	0	0	0	0	0	0	010	010	0	1 00	010	0	010	100	0	100	0
	89	0	010	0	0	0	2 00	0	0	0	0	100	010	0	1 00	010	010	0	100	0	010	0
	81	0	010	0	0	0	0	0	0	0	0	0	010	0	2 00	0	100	0	100	0	010	0
Mean		004	008	000	001	0	788	0	0	016	036	048	011	000	457	006	060	015	057	000	049	280

SEADYN Project, Mende-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MA11														
	0A	39 0	1 000	15 040	040	530	010	1	6	4	5	1	16 720	17
	0C	38 0	30 000	1 040	010	130	010	1	5	1	4	1	31 190	12
	0E	37 0	6 000	32 130	0 0	120	010	1	6	0	3	1	39 260	11
	0G	37 0	10 000	38 080	1 120	520	010	1	9	3	3	1	49 710	17
	0I	35 0	9 000	19 120	0 0	530	0 0	1	7	0	4	0	28 650	12
	2I	35 0	7 000	41 130	020	530	010	1	8	2	4	1	48 690	16
	2G	35 0	15 000	21 030	100	120	010	1	6	1	3	1	36 280	17
	2E	38 0	5 000	30 030	120	120	010	1	5	2	3	1	35 280	13
	2C	39 0	12 000	20 120	020	030	1 010	1	5	2	3	2	33 180	13
	2A	37 0	30 000	15 740	100	020	3 010	1	9	1	2	2	38 870	15
	4A	41 0	6 000	6 520	040	210	010	1	6	6	3	1	12 780	13
	4C	41 0	7 000	15 120	010	520	1 010	1	5	1	3	2	27 660	12
	4E	37 0	4 100	21 310	310	710	510	2	7	4	6	2	26 940	19
	4G	39 0	6 000	31 110	050	130	010	1	8	5	4	1	37 300	15
	4I	40 0	5 100	32 130	510	110	0 0	2	8	2	2	0	37 850	12
	6I	43 0	5 000	20 110	020	020	010	1	4	2	2	1	25 160	10
	6G	41 0	15 000	35 130	010	110	010	1	6	1	2	1	50 260	11
	6E	41 0	5 000	23 030	020	110	010	1	5	2	2	1	28 170	11
	6C	39 0	6 000	25 210	010	110	010	1	5	1	2	1	31 340	10
	6A	41 0	6 000	15 130	030	110	100	1	6	2	2	1	21 370	13
	8A	42 0	1 000	10 000	020	130	010	1	1	2	4	1	11 160	9
	8C	42 0	20 000	32 110	020	020	100	1	4	2	2	1	52 250	10
	8E	41 0	500	23 030	020	210	010	1	5	2	3	1	23 770	12
	8G	43 0	15 000	28 530	030	120	010	1	6	2	3	1	43 690	14
	8I	44 0	7 000	22 120	020	520	010	1	6	2	3	1	29 670	12
Mean		39 4	8 9480	22 201	08600	23880	23640	1 08	5 80	2 12	3 00	1 08	32 687	12 88
JN10														
	0A	48 0	500	11 200	830	620	010	1	6	8	4	1	12 260	20
	0C	48 0	20 000	1 310	820	210	010	1	5	6	2	1	22 350	16
	0E	46 0	4 000	25 710	1 230	220	010	1	6	8	4	1	31 170	18
	0G	46 0	4 000	19 910	2 030	710	010	1	8	10	4	1	26 660	24
	0I	48 0	15 000	17 610	2 300	710	010	1	8	9	4	1	35 630	19
	2I	46 0	3 000	22 610	920	1 100	010	1	8	7	3	1	27 840	20
	2G	45 0	8 000	25 600	1 220	1 010	010	1	8	5	2	1	35 840	16
	2E	47 0	4 000	27 810	830	1 100	100	1	7	7	2	1	33 840	19
	2C	50 0	6 000	16 700	2 240	1 100	510	1	5	7	3	2	26 550	18
	2A	48 0	8 000	19 800	620	210	2 010	1	7	4	2	2	30 440	17
	4A	50 0	3 000	5 700	620	1 600	010	1	4	8	3	1	10 930	17
	4C	52 0	4 000	14 200	830	300	1 010	1	5	7	2	2	20 340	18
	4E	57 0	6 000	38 010	1 040	710	2 010	2	7	10	4	2	45 770	25
	4G	53 0	10 000	24 020	1 140	700	010	1	6	6	3	1	35 870	17
	4I	51 0	8 100	30 220	1 160	620	0 0	2	6	8	4	0	37 100	20
	6I	50 0	6 000	38 020	650	610	010	1	5	7	2	1	45 290	17
	6G	50 0	15 000	35 310	120	110	010	1	8	3	2	1	50 550	13
	6E	50 0	6 000	21 600	660	120	010	1	5	8	3	1	28 390	16
	6C	50 0	6 000	26 600	570	600	010	1	5	8	2	1	33 780	17
	6A	51 0	6 000	22 200	420	620	100	1	6	6	4	1	29 340	18
	8A	51 0	1 000	10 100	350	710	100	1	2	8	4	1	12 260	16
	8C	50 0	20 000	39 110	270	1 110	010	1	5	9	3	1	60 500	19
	8E	49 0	2 000	19 010	740	220	100	1	5	7	4	1	23 070	18
	8G	49 0	15 000	29 710	860	1 010	0 0	1	6	6	3	0	46 380	18
	8I	47 0	10 000	28 130	280	1 110	010	1	6	8	4	1	37 510	20
Mean		48 2	7 8440	22 640	90520	68560	24360	1 08	5 80	7 04	3 32	1 08	32 018	18 32
JL10														
	0A	66 0	1 000	26 600	860	830	100	1	6	10	5	1	29 190	23
	0C	62 0	25 000	2 230	340	530	010	1	6	7	4	1	28 110	19
	0E	63 0	6 000	46 700	730	620	010	1	6	6	4	1	54 060	18
	0G	63 0	11 000	39 900	1 520	1 210	010	1	9	9	4	1	53 640	24
	0I	57 0	15 000	49 600	5 050	610	010	1	8	7	3	1	70 270	20
	2I	53 0	6 000	39 110	750	1 200	010	1	9	6	4	1	47 070	22
	2G	54 0	12 000	31 800	640	1 110	010	1	7	6	4	1	46 580	19
	2E	55 0	8 000	42 200	540	1 020	100	1	7	9	4	1	51 860	22
	2C	55 0	15 000	26 100	1 140	220	3 100	1	5	7	4	2	45 560	19
	2A	54 0	18 000	36 100	710	020	3 010	1	6	4	2	2	57 840	17
	4A	58 0	6 000	6 600	710	1 100	100	1	4	6	3	1	14 510	17
	4C	57 0	7 000	22 600	1 240	1 610	2 010	1	5	2	2	2	34 280	19
	4E	66 0	5 500	36 100	1 740	1 600	510	2	7	13	4	2	45 460	28
	4G	55 0	10 000	29 200	2 910	610	010	1	7	7	2	1	42 730	19
	4I	56 0	7 500	27 600	1 430	300	0 0	2	6	9	3	0	37 030	20
	6I	56 0	7 000	28 200	1 410	210	010	1	5	6	2	1	36 830	16
	6G	56 0	15 000	27 000	600	110	010	1	5	2	2	1	42 720	11
	6E	55 0	3 000	25 000	1 630	310	010	1	5	6	4	1	30 150	19
	6C	63 0	5 000	27 500	1 520	620	100	1	5	9	4	1	34 740	20
	6A	58 0	5 000	22 100	1 430	600	010	1	6	9	4	1	29 340	21
	8A	64 0	600	10 000	940	810	100	1	1	9	5	1	12 350	17
	8C	60 0	15 000	21 600	1 720	310	010	1	5	10	4	1	38 640	21
	8E	61 0	500	13 000	930	710	010	1	5	8	4	1	15 150	19
	8G	62 0	15 000	21 700	2 310	210	010	1	7	7	4	1	39 230	20
	8I	61 0	6 000	20 800	910	700	010	1	5	6	3	1	28 420	16
Mean		58 2	9 0400	27 176	1 2964	68720	37120	1 08	5 96	7 68	3 54	1 12	38 672	19 48
AU08														
	0A	56 0	2 000	14 700	1 120	710	100	1	7	9	4	1	18 630	22
	0C	56 0	25 000	2 300	1 000	610	100	1	6	6	3	1	29 010	17
	0E	56 0	10 000	28 700	1 020	310	010	1	6	8	4	1	40 040	20
	0G	54 0	4 000	36 900	1 820	400	100	1	9	12	4	1	43 220	27
	0I	53 0	15 000	41 600	4 610	710	010	1	8	7	4	1	61 730	21
	2I	54 0	3 000	40 000	2 020	1 200	010	1	8	9	4	1	46 230	23
	2G	54 0	20 000	28 700	1 510	300	010	1	6	8	3	1	50 520	19
	2E	55 0	10 000	27 100	1 010	800	100	1	6	7	4	1	39 010	19
	2C	56 0	20 000	19 800	1 820	700	1 100	1	5	7	3	2	43 120	18
	2A	56 0	20 000	23 600	1 310	120	2 010	1	8	6	3	2	47 040	20
	4A	58 0	5 000	8 200	1 130	1 600	010	1	5	10	3	1	15 940	20
	4C	57 0	8 000	27 100	1 740	310	510	1	5	6	4	2	37 660	20
	4E	57 0	3 100	33 600	1 920	1 720	2 100	2	7	12	6	2	42 440	30
	4G	57 0	5 000	38 110	2 810	2 700	100	1	7	8	5	1	48 720	22
	4I	58 0	5 500	48 110	1 720	1 100	0 0	2	8	10	3	0	56 430	22
	6I	58 0	6 000	34 700	1 420	700	010	1	6	6	3	1	42 830	19
	6G	57 0	20 000	32 000	720	110	010	1	5	5	2	1	52 840	14
	6E	57 0	4 000	28 000	2 120	1 210	010	1	5	10	4	1	35 340	21
	6C	56 0	7 000	30 000	1 720	1 010	100	1	5	6	3	1	39 830	16
	6A	57 0	6 000	27 600	2 830	1 610	100	1	6	9	4	1	38 140	21
	8A	57 0	1 000	12 000	1 360	2 100	100	1	1	10	4	1	16 560	17
	8C	56 0	25 000	37 600	1 530	620	500	1	5	10	4	1	65 250	21
	8E	56 0	2 000	30 000	3 230	1 610	010	1	5	8	4	1	36 850	19

6

SEADYN Project Mongo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community,
Soil Temperature and Synthetic Variables by 5x5 m Plots

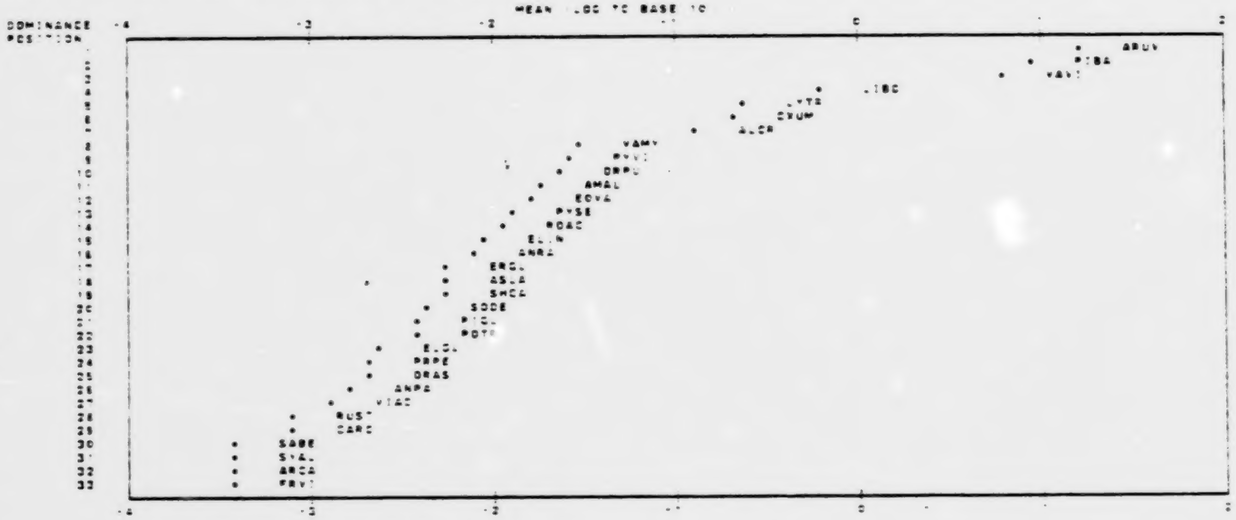
DATE	PLOT	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
	4C	55.0	9.300	27.100	2.340	.810	0.0	.	8	9	6	0	46.350	20
	8?	55.0	7.000	26.400	1.810	1.800	.010	.	8	8	3	1	36.420	17
Mean		55.0	8.7060	28.145	8056	1.3188	28480	.38	5.04	6.38	3.88	08	40.959	20.24
5809	04	55.0	.000	17.500	1.840	1.530	.100	.	8	10	8	.	21.970	22
	05	55.0	20.000	2.630	.220	.620	.010	.	8	5	4	.	23.690	17
	08	53.0	10.000	35.700	.340	.10	.010	.	8	7	4	.	51.160	19
	06	53.0	9.000	48.610	.620	1.520	.010	.	9	11	8	.	61.770	26
	01	5?.0	11.000	39.600	1.240	.630	0.0	.	8	7	8	0	53.470	21
	21	55.0	5.000	41.500	.850	2.200	0.0	.	8	8	6	0	49.590	22
	25	53.0	10.300	31.310	.420	1.610	.010	.	7	7	6	1	43.380	20
	28	55.0	7.000	34.020	1.730	1.100	.100	.	7	7	3	1	43.990	19
	25	55.0	15.300	32.700	.830	1.10	3.100	1	5	7	4	2	53.740	19
	24	54.0	14.000	75.800	.640	.200	2.010	.	8	8	2	2	46.450	19
	44	57.0	5.300	10.600	1.440	1.510	.010	1	8	9	4	.	18.580	19
	45	55.0	6.300	22.500	2.130	2.200	.010	.	6	7	2	2	33.640	7
	48	56.0	6.300	62.500	2.530	2.800	4.100	2	7	.	5	2	78.930	27
	40	56.0	6.300	22.100	.910	1.210	.010	.	5	7	5	.	40.330	9
	41	56.0	7.100	32.600	1.310	1.200	3.0	2	6	6	3	0	62.410	17
	61	55.0	4.300	24.200	.920	2.10	.00	.	5	7	3	.	29.430	17
	80	55.0	17.000	28.200	.530	.20	.010	.	6	6	3	.	43.680	8
	88	56.0	4.300	22.500	1.340	7.10	.010	.	8	8	4	.	29.560	9
	85	54.0	4.300	27.100	1.230	.30	.010	.	8	8	4	.	22.470	17
	84	58.0	4.300	25.800	.300	2.300	.010	.	8	6	4	.	22.10	18
	34	51.0	.500	12.100	.020	2.100	.100	.	3	5	4	.	19.620	18
	85	56.0	15.300	29.610	.030	2.520	.100	.	9	9	4	.	44.250	20
	88	54.0	.500	12.710	.520	.220	.010	.	8	8	5	.	19.980	22
	83	54.0	.300	22.400	.420	.620	.010	.	8	7	6	.	35.450	18
	81	54.0	6.300	27.310	.510	7.10	.010	.	8	9	6	.	35.440	8
Mean		54.1	8.0840	26.260	1.1880	1.2476	43400	08	5.84	7.44	3.92	04	39.3?4	19.22
9310	34	39.0	.500	7.130	.130	.610	.100	.	8	6	3	.	18.670	15
	95	4?.0	17.000	2.130	.10	.520	.010	.	5	2	3	.	9.770	12
	98	4?.0	6.000	39.20	.220	.30	.010	.	8	8	6	.	35.490	17
	35	42.0	4.300	25.230	.420	.310	.010	.	8	8	6	.	40.370	20
	07	40.0	6.300	15.620	.020	.130	.010	.	8	5	4	.	22.790	8
	?	40.0	3.300	28.530	.310	.400	.100	.	5	3	4	.	22.240	18
	25	40.0	6.300	27.540	.310	.220	.010	.	7	4	4	.	28.050	7
	28	40.0	4.300	30.210	.310	.210	.100	.	5	4	2	.	34.820	14
	25	40.0	10.300	22.10	.120	.820	.100	.	6	2	2	2	22.350	12
	34	41.0	20.300	15.620	.0	.220	3.010	.	8	2	2	2	28.960	5
	44	46.0	4.300	7.710	.230	.130	.010	.	8	8	3	.	12.070	15
	40	46.0	4.300	25.310	.310	.210	.010	1	8	4	3	2	30.840	18
	48	46.0	2.310	38.710	.010	.830	2.100	2	7	7	6	2	42.850	24
	4?	40.0	8.300	25.020	.230	.210	.010	.	8	8	8	.	22.470	5
	41	4?.0	7.500	27.330	.650	.210	0.0	2	7	7	2	0	25.390	18
	81	4?.0	5.300	28.510	.620	.520	.100	.	4	4	2	.	34.750	13
	60	42.0	20.300	42.610	.100	.210	.020	.	8	1	2	2	62.840	12
	68	4?.0	4.300	30.810	.220	.620	.010	.	9	9	6	.	35.470	18
	65	4?.0	4.300	29.510	2.130	.800	.100	.	8	8	2	.	46.240	14
	64	4?.0	5.000	21.130	.730	2.110	.100	.	8	8	2	.	39.080	17
	84	4?.0	2.300	12.500	.730	.130	.100	.	2	8	1	.	15.460	5
	85	4?.0	20.300	44.100	.640	.10	.100	.	4	8	2	.	65.150	16
	88	40.0	2.300	18.200	.630	.20	.100	.	4	6	4	.	22.350	6
	85	42.0	15.300	32.520	.50	.20	.010	.	6	7	4	.	49.800	19
	8?	39.0	7.000	27.310	.040	2.200	.010	.	3	5	3	.	37.280	13
Mean		40.5	7.8804	25.28?	58400	58520	32880	08	5.84	4.86	2.44	.15	34.470	16.30

HONDO-SLAVE LAKE STAND 1   1982 VASCULAR MONTHLY SURVEY   04/17/83   PAGE 6
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S1821   (CREATION DATE = 04/17/83)   STAND 1 (42 , OLD JACK PINE 1982 VASCULAR COVER % DATA (5X5 M)
SUBFILE MAY

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100 000	8 84000	6 81363	1 36273	0 15467	0 50000	30 00000
Picea glauca	PIGL	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Populus tremuloides	POTR	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Alnus crispa	ALCR	25	20 000	0 12840	0 43818	0 08764	0 68252	0 0	2 00000
Amelanchier alnifolia	AMAL	25	80 000	0 01880	0 03087	0 00617	0 32835	0 0	0 10000
Arctostaphylos uva-ursi	ARUV	25	100 000	15 84000	7 15122	1 43024	0 09029	1 00000	30 00000
Prunus pensylvanica	PRPE	25	20 000	0 00200	0 00408	0 00082	0 40825	0 0	0 01000
Prunus virginiana	PRVI	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Rosa acicularis	ROAC	25	72 000	0 01080	0 01913	0 00383	0 35428	0 0	0 10000
Rubus strigosus	RUST	25	8 000	0 00080	0 00277	0 00055	0 69222	0 0	0 01000
Salix bebbiana	SABE	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Shepherdia canadensis	SHCA	25	16 000	0 00520	0 02002	0 00400	0 77019	0 0	0 10000
Symphoricarpos albus	SYAL	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Vaccinium myrtilloides	VAMY	25	84 000	0 03000	0 04031	0 00806	0 26874	0 0	0 10000
Vaccinium vitis-idaea	VAVI	25	98 000	6 54040	5 07374	1 01475	0 15515	0 0	30 00000
Achillea millefolium	ACMI	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Anemone multifida	ANMU	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Anemone patens	ANPA	25	16 000	0 00160	0 00374	0 00075	0 46771	0 0	0 01000
Antennaria racemosa	ANRA	25	8 000	0 00800	0 02769	0 00554	0 69222	0 0	0 10000
Artemisia campestris	ARCA	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Aster laevis	ASLA	25	52 000	0 00520	0 00510	0 00102	0 19612	0 0	0 01000
Campanula rotundifolia	CARO	25	8 000	0 00080	0 00277	0 00055	0 69222	0 0	0 01000
Epilobium angustifolium	EPAN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Erigeron glabellus	ERGL	25	20 000	0 00560	0 02002	0 00400	0 71488	0 0	0 10000
Fragaria virginiana	FRVI	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Galium boreale	GABO	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Geocaulon lividum	GELI	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Hieracium canadense	HICA	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Lathyrus ochroleucus	LAOC	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Linnaea borealis	LIBO	25	56 000	0 52400	1 27190	0 25438	0 48766	0 0	5 00000
Lilium philadelphicum	LIPH	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Maianthemum canadense	MACA	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Pyrola secunda	PYSE	25	16 000	0 01240	0 03306	0 00662	0 53348	0 0	0 10000
Pyrola virens	PYVI	25	28 000	0 02600	0 10075	0 02015	0 77492	0 0	0 50000
Solidago decumbens	SODE	25	44 000	0 00440	0 00507	0 00101	0 23028	0 0	0 01000
Viola adunca	VIAD	25	12 000	0 00120	0 00332	0 00066	0 55277	0 0	0 01000
Carex foenea	CXFO	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Carex umbellata	CXUM	25	100 000	0 19760	0 19518	0 03904	0 19755	0 01000	0 50000
Elymus glaucus	ELGL	25	24 000	0 00240	0 00436	0 00087	0 36324	0 0	0 01000
Elymus innovatus	ELIN	25	56 000	0 00920	0 01956	0 00391	0 42526	0 0	0 10000
Oryzopsis asperifolia	ORAS	25	20 000	0 00200	0 00408	0 00082	0 40825	0 0	0 01000
Oryzopsis pungens	ORPU	25	100 000	0 02440	0 03367	0 00673	0 27602	0 01000	0 10000
Schizachne purpurascens	SCPU	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Equisetum variegatum	EQVA	25	52 000	0 01640	0 02531	0 00506	0 30868	0 0	0 10000
Lycopodium tristachyum	LYTR	25	16 000	0 22000	0 64675	0 12935	0 58799	0 0	2 00000

BASED ON 33 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0 3501
SHANNON-WEAVER INDEX OF DIVERSITY H = 1 2385 (NATURAL LOGARITHMS)

33 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 32 6872



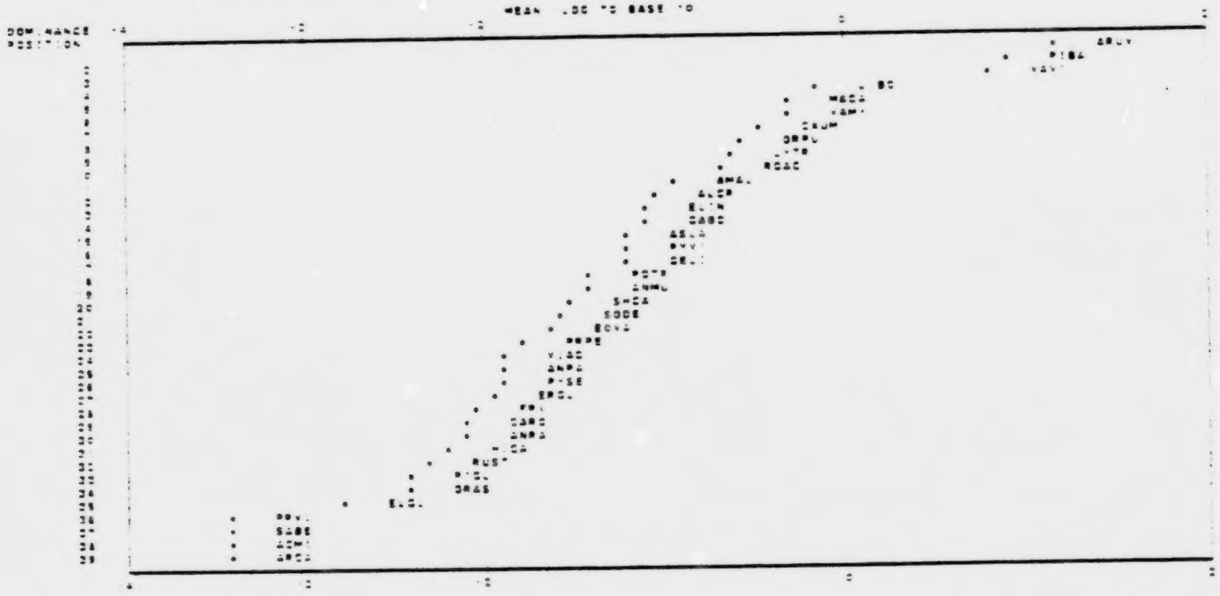
Hondo-Slave Lake Stand 1982 Vascular Monthly Survey 04/17/83 PAGE
Descriptive Statistics for Each Species Variable and the Stand
FILE S182V CREATION DATE = 04/17/83 Stand 1 42 y old Jack Pine 1982 Vascular Cover % Data 5x5 m
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100 000	7 50000	5 47342	1 09468	0 14595	0 50000	20 00000
Picea glauca	PIGL	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Populus tremuloides	POTR	25	4 000	0 04000	0 20000	0 04000	1 00000	0 0	1 00000
Alnus crispa	ALCR	25	20 000	0 08800	0 23509	0 04702	0 53429	0 0	1 00000
Amelanchier alnifolia	AMAL	25	76 000	0 11840	0 17581	0 03512	0 29684	0 0	0 50000
Arctostaphylos uva-ursi	ARUV	25	100 000	14 80000	7 90042	1 58008	0 10822	3 00000	30 00000
Prunus pensylvanica	PRPE	25	28 000	0 01720	0 03763	0 00751	0 43658	0 0	0 10000
Prunus virginiana	PRVI	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Rosa acicularis	ROAC	25	80 000	0 21760	0 29977	0 05995	0 27552	0 0	1 00000
Rubus strigosus	RUST	25	12 000	0 00480	0 02003	0 00400	0 83437	0 0	0 10000
Salix bebbiana	SABE	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Shepherdia canadensis	SHCA	25	20 000	0 02880	0 10195	0 02039	0 70806	0 0	0 50000
Symphoricarpos albus	SYAL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Vaccinium myrtilloides	VAMY	25	64 000	0 48000	0 38405	0 07681	0 16002	0 0	1 00000
Vaccinium vitis-idaea	VAVI	25	96 000	5 47400	4 58515	0 91703	0 14275	0 0	15 00000
Achillea millefolium	ACMI	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Anemone multifida	ANMU	25	68 000	0 03760	0 04381	0 00876	0 23301	0 0	0 10000
Anemone patens	ANPA	25	48 000	0 01200	0 02693	0 00539	0 44876	0 0	0 10000
Antennaria racemosa	ANRA	25	8 000	0 00800	0 02769	0 00554	0 69222	0 0	0 10000
Artemisia campestris	ARCA	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Aster laevis	ASLA	25	64 000	0 06400	0 10178	0 02036	0 31805	0 0	0 50000
Campanula rotundifolia	CARO	25	44 000	0 00800	0 01979	0 00396	0 49476	0 0	0 [illegible]0000
Epilobium angustifolium	EPAN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Erigeron glabellus	ERGL	25	36 000	0 01080	0 02722	0 00544	0 50416	0 0	0 10000
Fragaria virginiana	FRVI	25	16 000	0 00680	0 02759	0 00552	0 81156	0 0	0 10000
Galium boreale	GABO	25	92 000	0 07920	0 09874	0 01975	0 24934	0 0	0 50000
Geocaulon lividum	GELI	25	8 000	0 08000	0 21985	0 04397	0 [illegible]	0 0	1 00000
Hieracium canadense	HICA	25	28 000	0 00640	0 01997	0 00399	0 62422	0 0	0 10000
Lathyrus ochroleucus	LAOC	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Linnaea borealis	LIBO	25	56 000	0 66040	1 38626	0 27725	0 41974	0 0	5 00000
Lilium philadelphicum	LIPH	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Maianthemum canadense	MACA	25	100 000	0 49640	0 48497	0 0[illegible]	0 [illegible]	0 01000	[illegible]
Pyrola secunda	PYSE	25	12 000	0 01200	0 03317	0 00663	0 55277	0 0	0 10000
Pyrola virens	PYVI	25	20 000	0 08120	0 21952	0 04390	0 [illegible]	0 0	1 00000
Solidago decumbens	SODE	25	60 000	0 02760	0 04179	0 00835	0 30282	0 0	0 10000
Viola adunca	VIAD	25	52 000	0 01340	0 02[illegible]	0 00536	0 42248	0 0	0 10000
Carex foenea	CAFO	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Carex umbellata	CAUM	25	100 000	0 34400	0 24166	0 04833	0 14050	0 01000	1 00000
Elymus glaucus	ELGL	25	8 000	0 00160	0 00374	0 00075	0 46777	0 0	0 01000
Elymus innovatus	ELIN	25	60 000	0 07960	0 13424	0 02685	0 33729	0 0	0 50000
Oryzopsis asperifolia	ORAS	25	36 000	0 00280	0 00458	0 00092	0 32717	0 0	0 01000
Oryzopsis pungens	ORPU	25	100 000	0 25680	0 24525	0 04905	0 19[illegible]	0 01000	1 00000
Schizachne purpurascens	SCPU	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Equisetum variegatum	EQVA	25	92 000	0 02280	0 03414	0 00683	0 29934	0 0	0 10000
Lycopodium tristachyum	LYTR	25	16 000	0 22000	0 57879	0 11576	0 52617	0 0	[illegible]

BASED ON 39 POSITIVE MEANS SIMPSON S INDEX OF DOMINANCE CONCENTRATION C = 0 2043
SHANNON-WEAVER INDEX OF DIVERSITY H = 1 8486 NATURAL LOGARITHMS

39 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 32 0 64

MEAN LOG TO BASE 10

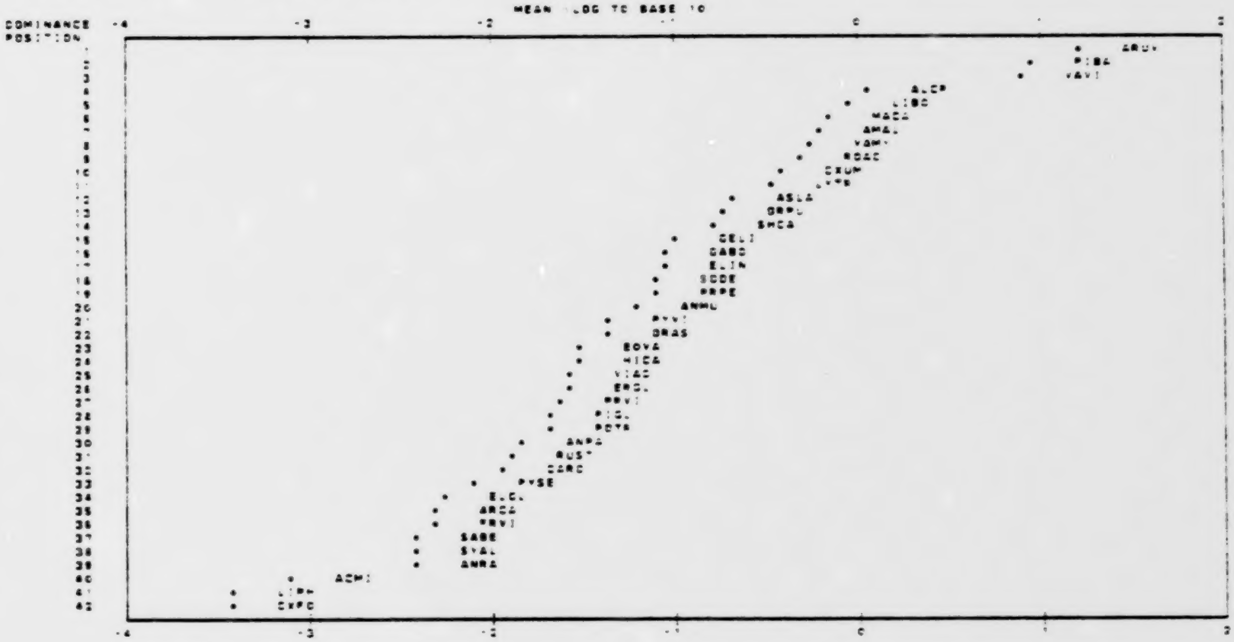


Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE S182V CREATION DATE = 04/17/83 Stand 1 (42 y old Jack Pine 1982 Vascular Cover % Data (5x5 m
SUBFILE JL10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100.000	9.00000	6.05356	1.21072	0.13452	0.50000	25.00000
Picea glauca	PIGL	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Populus tremuloides	POTR	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Alnus crispa	ALCR	25	20.000	1.12000	4.03444	0.80689	0.72043	0.0	20.00000
Amelanchier alnifolia	AMAL	25	52.000	0.62440	0.57057	0.11411	0.18276	0.0	2.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	15.52000	6.23244	1.24649	0.08031	2.00000	30.00000
Prunus pensylvanica	PRPE	25	28.000	0.07640	0.21834	0.04367	0.57154	0.0	1.00000
Prunus virginiana	PRVI	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Rosa acicularis	ROAC	25	84.000	0.49200	0.51147	0.10229	0.20791	0.0	2.00000
Rubus strigosus	RUST	25	12.000	0.01200	0.03317	0.00663	0.55277	0.0	0.10000
Salix bebbiana	SABE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Shepherdia canadensis	SHCA	25	20.000	0.16800	0.60603	0.12121	0.72146	0.0	3.00000
Symphoricarpos albus	SYAL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	84.000	0.55040	0.51837	0.10367	0.18500	0.0	2.00000
Vaccinium vitis-idaea	VAVI	25	96.000	7.64040	6.21526	1.24305	0.16269	0.0	20.00000
Achillea millefolium	ACMI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Anemone multifida	ANMU	25	72.000	0.06280	0.10249	0.02050	0.32640	0.0	0.50000
Anemone patens	ANPA	25	44.000	0.01520	0.03229	0.00646	0.42487	0.0	0.10000
Antennaria racemosa	ANRA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Artemisia campestris	ARCA	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Aster laevis	ASLA	25	96.000	0.20960	0.20637	0.04127	0.19692	0.0	0.50000
Campanula rotundifolia	CARO	25	72.000	0.01080	0.01813	0.00363	0.35426	0.0	0.10000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron glabellus	ERGL	25	40.000	0.02560	0.04283	0.00857	0.33457	0.0	0.10000
Fragaria virginiana	FRVI	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Galium boreale	GABO	25	88.000	0.08600	0.09695	0.01939	0.22547	0.0	0.50000
Geocaulon lividum	GELI	25	8.000	0.10000	0.40825	0.08165	0.81650	0.0	2.00000
Hieracium canadense	HICA	25	44.000	0.02960	0.04495	0.00899	0.30373	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	44.000	0.93200	1.66851	0.33370	0.35805	0.0	5.00000
Lilium philadelphicum	LIPH	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Maianthemum canadense	MACA	25	100.000	0.68040	0.75627	0.15125	0.22230	0.01000	2.00000
Pyrola secunda	PYSE	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Pyrola virens	PYVI	25	24.000	0.04520	0.13833	0.02767	0.61207	0.0	0.50000
Solidago decumbens	SODE	25	84.000	0.08200	0.09840	0.01968	0.24001	0.0	0.50000
Viola adunca	VIAD	25	48.000	0.02640	0.04241	0.00848	0.32132	0.0	0.10000
Carex foenea	CXFO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex umbellata	CXUM	25	88.000	0.37240	0.27862	0.05572	0.14962	0.0	1.00000
Elymus glaucus	ELGL	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Elymus innovatus	ELIN	25	88.000	0.08400	0.13301	0.02660	0.31669	0.0	0.50000
Oryzopsis asperifolia	ORAS	25	80.000	0.04360	0.10275	0.02055	0.47132	0.0	0.50000
Oryzopsis pungens	ORPU	25	100.000	0.18180	0.18551	0.03710	0.20431	0.01000	0.50000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum variegatum	EQVA	25	96.000	0.02120	0.03951	0.00790	0.37327	0.0	0.10000
Lycopodium tristachyum	LYTR	25	16.000	0.34000	0.89815	0.17963	0.52832	0.0	3.00000

BASED ON 42 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2569
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.7789 (NATURAL LOGARITHMS

42 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 35.6724

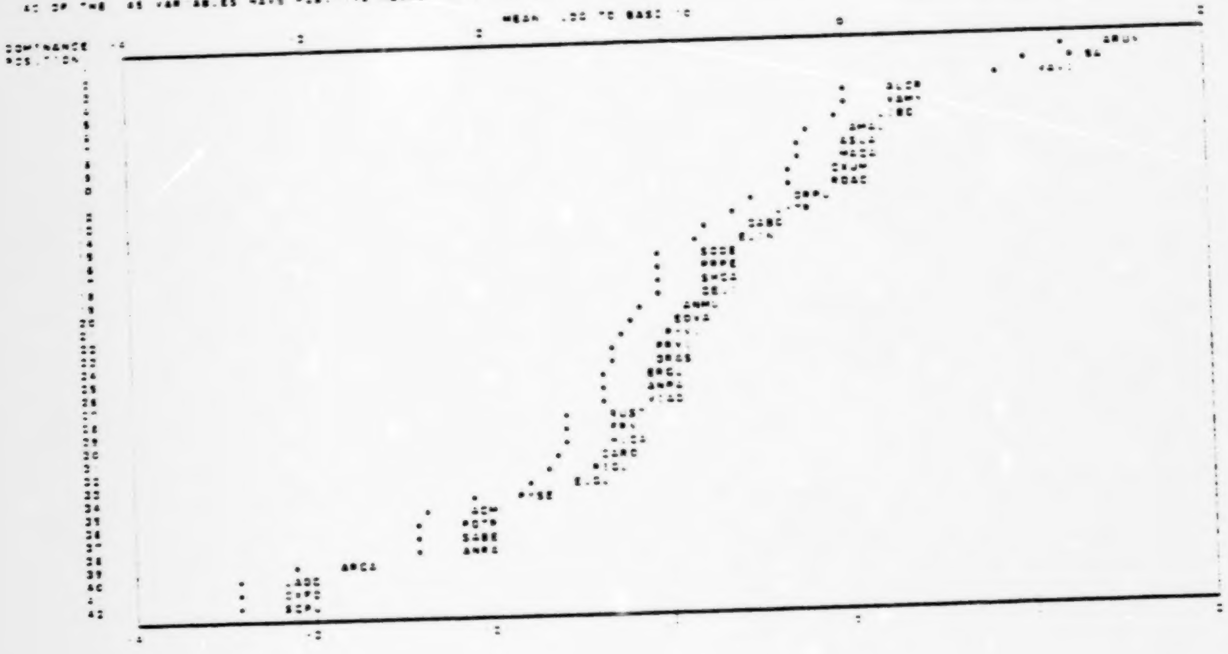


Hondo-Slave Lake Stand ... 1982 Vascular Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand 42 - Old Jack Pine 1982 Vascular Cover % Data 5x5 m
FILE S182V (CREATION DATE = 04/ /83) Stand
SUBFILE AUG8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100.000	9.88000	7.86883	1.57377	0.15675	.00000	25.00000
Picea glauca	PIGL	25	4.000	0.02000	0.10000	0.02000	.00000	0.0	0.50000
Populus tremuloides	POTR	25	4.000	0.08400	0.02000	0.00400	.00000	0.0	0.10000
Alnus crispa	ALCR	25	20.000	0.02400	4.33853	0.8[illegible]	0.78528	0.0	20.00000
Amelanchier alnifolia	AMAL	25	88.000	0.81240	0.54516	0.10920	0.[illegible]	0.0	0.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	17.16000	7.78037	1.55207	0.09045	.00000	25.00000
Prunus pensylvanica	PRPE	25	24.000	0.01200	0.23438	0.04688	0.50952	0.0	.00000
Prunus virginiana	PRVI	25	12.000	0.04800	0.20025	0.04005	0.83427	0.0	.00000
Rosa acicularis	ROAC	25	86.000	0.48000	0.38581	0.07716	0.77209	0.0	[illegible]
Rubus strigosus	RUST	25	12.000	0.02800	0.10214	0.02043	0.72960	0.0	0.50000
Salix bebbiana	SABE	25	8.000	0.00400	0.02000	0.00400	.00000	0.0	0.10000
Shepherdia canadensis	SHCA	25	20.000	0.08800	0.22509	0.04702	0.53425	0.0	.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	92.000	0.94840	1.20800	0.24161	0.35457	0.0	4.00000
Vaccinium vitis-idaea	VAVI	25	96.000	5.80400	5.35477	1.07094	0.15746	0.0	20.00000
Achillea millefolium	ACMI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Anemone multifida	ANMU	25	88.000	0.07240	0.10001	0.02000	0.27828	0.0	0.50000
Anemone patens	ANPA	25	58.000	0.04160	0.04879	0.00975	0.23458	0.0	0.10000
Antennaria racemosa	ANRA	25	4.000	0.30400	0.02000	0.00400	.00000	0.0	0.10000
Artemisia campestris	ARCA	25	8.000	0.00080	0.00277	0.00055	0.55222	0.0	0.01000
Aster laevis	ASLA	25	100.000	0.55400	0.428[illegible]	0.08522	0.5[illegible]0	.0000	0.00000
Campanula rotundifolia	CARO	25	76.000	0.02200	0.03800	0.00700	0.31818	0.0	0.10000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron glabellus	ERGL	25	52.000	0.04480	0.05001	0.01000	0.22326	0.0	0.10000
Fragaria virginiana	FRVI	25	12.000	0.02800	0.10214	0.02043	0.72886	0.0	0.50000
Galium boreale	GABO	25	68.000	0.18520	0.26833	0.05367	0.22485	0.0	.00000
Geocaulon lividum	GELI	25	8.000	0.08400	0.29967	0.07993	0.95189	0.0	0.00000
Hieracium canadense	HICA	25	52.000	0.02880	0.04222	0.00844	0.31494	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	4.000	0.00040	0.00202	0.00040	.00000	0.0	0.01000
Linnaea borealis	LIBO	25	84.000	0.87800	1.4945[illegible]	0.29880	0.3412	0.0	5.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	100.000	0.54840	0.45871	0.09176	0.16732	0.0[illegible]00	0.00000
Pyrola secunda	PYSE	25	4.000	0.00800	0.03781	0.00994	0.85222	0.0	0.10000
Pyrola virens	PYVI	25	24.000	0.05640	0.20006	0.04001	0.70942	0.0	.00000
Solidago decumbens	SODE	25	84.000	0.29280	0.09482	0.01893	0.32394	0.0	0.50000
Viola adunca	VIAD	25	56.000	0.04180	0.04879	0.00976	0.33458	0.0	0.10000
Carex foenea	CAFO	25	4.000	0.00040	0.00202	0.00040	.00000	0.0	0.01000
Carex umbellata	CAUM	25	100.000	5.11200	0.355[illegible]	0.07102	0.387[illegible]	.0000	.00000
Elymus glaucus	ELGL	25	24.000	0.01880	0.03711	0.00743	0.44246	0.0	0.10000
Elymus innovatus	ELIN	25	48.000	0.4920	0.22397	0.04679	0.31362	0.0	.00000
Oryzopsis asperifolia	ORAS	25	80.000	0.04720	0.10212	0.02083	0.43686	0.0	0.50000
Oryzopsis pungens	ORPU	25	100.000	0.28280	0.18773	0.03755	.9654	0.000	.00000
Schizachne purpurascens	SCPU	25	4.000	0.00040	0.00202	0.00040	.00000	0.0	0.01000
Equisetum variegatum	EQVA	25	92.000	0.08480	0.10128	0.02026	0.31252	0.0	0.50000
Lycopodium tristachyum	LYTR	25	8.000	0.22000	0.57879	0.11575	0.52517	0.0	0.00000

BASED ON 42 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2815
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.9088 NATURAL LOGARITHMS

42 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 40.9580

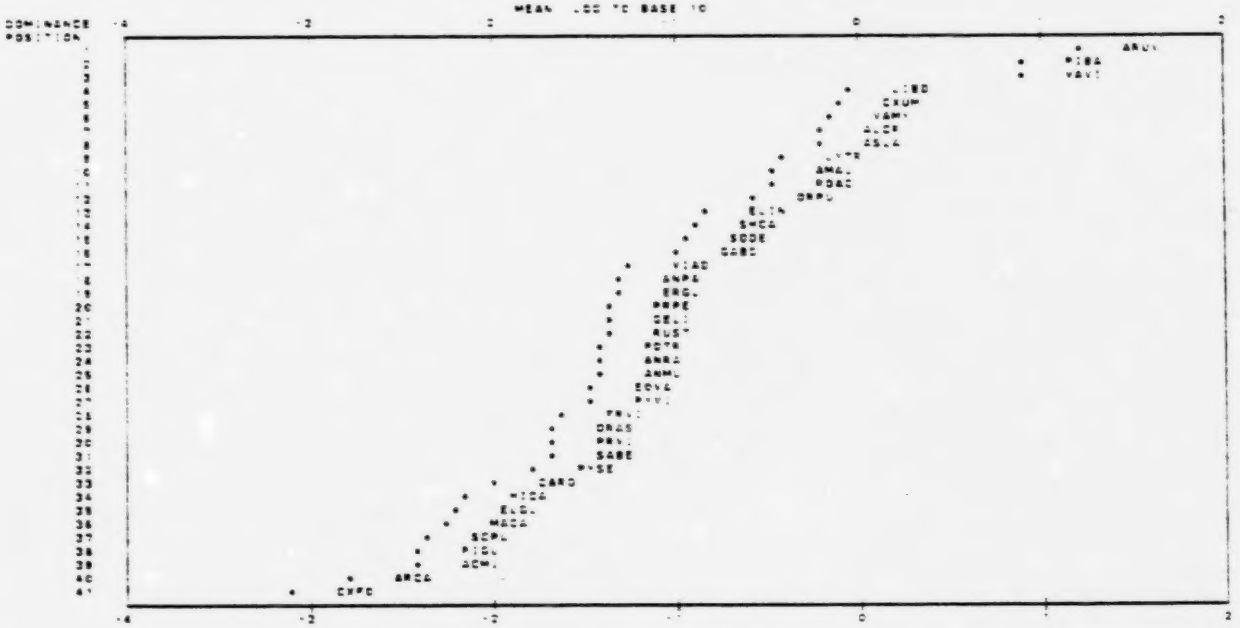


Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S162V (CREATION DATE = 04/17/83) Stand 1 (42 , Old Jack Pine) 1982 Vascular Cover % Data (5x5 m
SUBFILE SE09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100.000	8.04000	5.46374	1.09275	0.13591	0.50000	20.00000
Picea glauca	PIGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Populus tremuloides	POTR	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Alnus crispa	ALCR	25	24.000	0.64040	1.89019	0.37804	0.59031	0.0	5.00000
Amelanchier alnifolia	AMAL	25	84.000	0.34800	0.47181	0.09436	0.27115	0.0	2.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	17.16000	6.69378	1.33876	0.07802	1.00000	30.00000
Prunus pensylvanica	PRPE	25	24.000	0.04520	0.13833	0.02767	0.61207	0.0	0.50000
Prunus virginiana	PRVI	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Rosa acicularis	ROAC	25	84.000	0.32120	0.54087	0.10817	0.33678	0.0	2.00000
Rubus strigosus	RUST	25	12.000	0.04400	0.13868	0.02774	0.63038	0.0	0.50000
Salix bebbiana	SABE	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Shepherdia canadensis	SHCA	25	16.000	0.12400	0.41481	0.08296	0.66872	0.0	2.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	64.000	0.68040	0.97311	0.19462	0.28604	0.0	4.00000
Vaccinium vitis-idaea	VAVI	25	100.000	7.98440	7.49859	1.49972	0.18783	0.01000	30.00000
Achillea millefolium	ACMI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Anemone multifida	ANMU	25	72.000	0.03960	0.04641	0.00928	0.23440	0.0	0.10000
Anemone patens	ANPA	25	60.000	0.05080	0.10332	0.02066	0.40676	0.0	0.50000
Antennaria racemosa	ANRA	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.50000
Artemisia campestris	ARCA	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Aster laevis	ASLA	25	96.000	0.59600	0.34819	0.06964	0.11684	0.0	1.00000
Campanula rotundifolia	CARO	25	68.000	0.01040	0.01925	0.00385	0.37024	0.0	0.10000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron glabellus	ERGL	25	40.000	0.04880	0.10422	0.02084	0.42713	0.0	0.50000
Fragaria virginiana	FRVI	25	16.000	0.02480	0.10100	0.02020	0.81452	0.0	0.50000
Galium boreale	GABO	25	100.000	0.09960	0.12795	0.02559	0.25692	0.01000	0.50000
Geocaulon lividum	GELI	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000
Hieracium canadense	HICA	25	36.000	0.00720	0.01990	0.00398	0.55277	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	48.000	0.87240	1.53097	0.30619	0.35098	0.0	5.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	16.000	0.00520	0.02002	0.00400	0.77018	0.0	0.10000
Pyrola secunda	PYSE	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Pyrola virens	PYVI	25	20.000	0.03240	0.10285	0.02057	0.63485	0.0	0.50000
Solidago decumbens	SODE	25	64.000	0.11240	0.12320	0.02464	0.21921	0.0	0.50000
Viola adunca	VIAD	25	80.000	0.05480	0.04814	0.00963	0.17570	0.0	0.10000
Carex foenea	CAFO	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Carex umbellata	CAUM	25	100.000	0.79280	0.63138	0.12627	0.15927	0.01000	2.00000
Elymus glaucus	ELGL	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Elymus innovatus	ELIN	25	92.000	0.14680	0.18506	0.03701	0.25213	0.0	0.50000
Oryzopsis asperifolia	ORAS	25	60.000	0.02040	0.03575	0.00715	0.35062	0.0	0.10000
Oryzopsis pungens	ORPU	25	100.000	0.27840	0.24834	0.04967	0.17840	0.01000	1.00000
Schizachne purpurascens	SCPU	25	8.000	0.00440	0.02003	0.00400	0.90985	0.0	0.10000
Equisetum variegatum	EQVA	25	88.000	0.03400	0.04213	0.00843	0.24783	0.0	0.10000
Lycopodium tristachyum	LYTR	25	16.000	0.40000	1.04083	0.20817	0.52042	0.0	4.00000

BASED ON 41 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2770
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.7209 (NATURAL LOGARITHMS)

41 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 38.2136

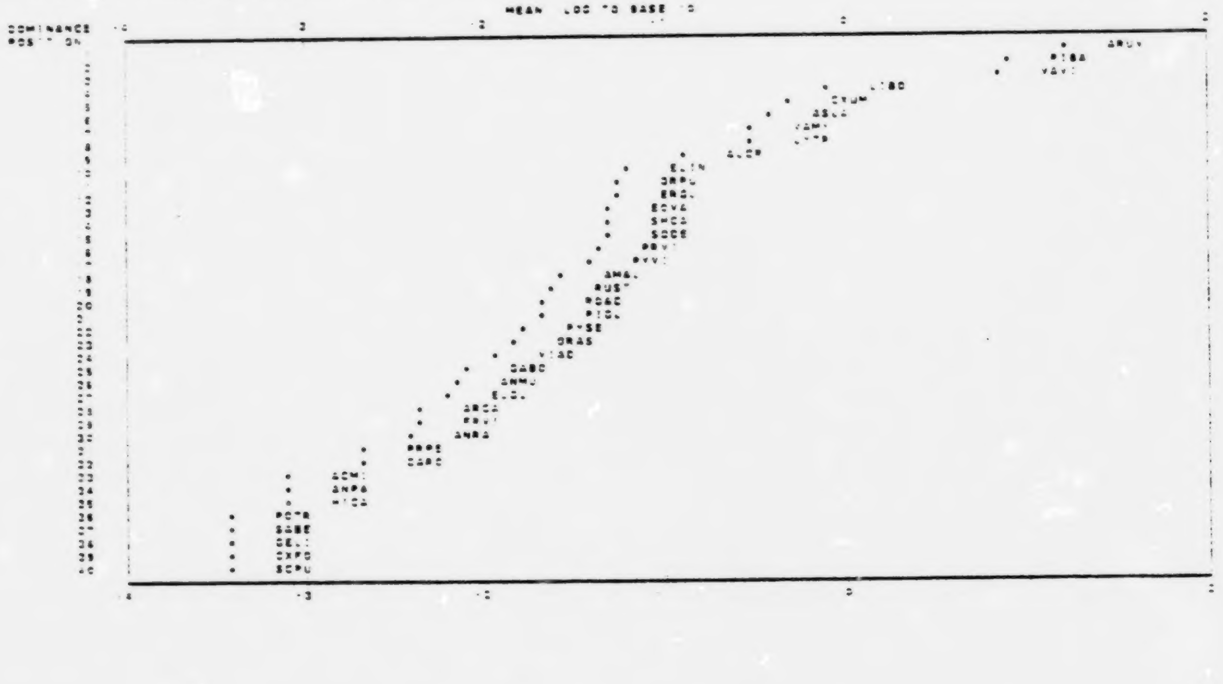


Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S182V (CREATION DATE = 04/17/83) Stand 1 40 y old Jack Pine: 1982 Vascular Cover % Data (5x5 m)
SUBFILE 0210

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Pinus banksiana	PIBA	25	100.000	7.88000	5.98735	1.19747	0.15633	0.50000	20.00000
Picea glauca	PIGL	25	4.000	0.02000	0.10000	0.02000	5.00000	0.0	0.50000
Populus tremuloides	POTR	25	4.000	0.00040	0.00200	0.00040	5.00000	0.0	0.01000
Alnus crispa	ALCR	25	20.000	0.13200	0.42753	0.08551	0.66253	0.0	2.00000
Amelanchier alnifolia	AMAL	25	76.000	0.02580	0.03620	0.00764	0.29641	0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	100.000	15.56000	7.45028	1.49006	0.09598	2.00000	30.00000
Prunus pensylvanica	PRPE	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Prunus virginiana	PRVI	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000
Rosa acicularis	ROAC	25	84.000	0.02120	0.03531	0.00706	0.33390	0.0	0.10000
Rubus strigosus	RUST	25	12.000	0.02440	0.10104	0.02022	0.82853	0.0	0.50000
Salix bebbiana	SABE	25	4.000	0.00040	0.00200	0.00040	5.00000	0.0	0.01000
Shepherdia canadensis	SHCA	25	16.000	0.04840	0.20016	0.04003	0.82711	0.0	1.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	68.000	0.31040	0.46377	0.09275	0.29882	0.0	2.00000
Vaccinium vitis-idaea	VAVI	25	100.000	7.32400	5.60314	1.12063	0.15301	0.10000	30.00000
Achillea millefolium	ACMI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Anemone multifida	ANMU	25	32.000	0.00680	0.01996	0.00399	0.58652	0.0	0.10000
Anemone patens	ANPA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Antennaria racemosa	ANRA	25	4.000	0.00400	0.02000	0.00400	5.00000	0.0	0.10000
Artemisia campestris	ARCA	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Aster laevis	ASLA	25	52.000	0.38840	0.48299	0.09660	0.24871	0.0	2.00000
Campanula rotundifolia	CARO	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Erigeron glabellus	ERGL	25	52.000	0.05360	0.10380	0.02076	0.38731	0.0	0.50000
Fragaria virginiana	FRVI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Galium boreale	GABO	25	44.000	0.00800	0.01979	0.00396	0.49476	0.0	0.10000
Geocaulon lividum	GELI	25	4.000	0.00040	0.00200	0.00040	5.00000	0.0	0.01000
Hieracium canadense	HICA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Lathyrus ochroleucus	LAOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	48.000	0.78800	1.34236	0.26847	0.34070	0.0	4.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Pyrola virens	PYVI	25	24.000	0.03640	0.10348	0.02070	0.56855	0.0	0.50000
Solidago decumbens	SODE	25	44.000	0.04600	0.04899	0.00980	0.21300	0.0	0.10000
Viola adunca	VIAD	25	76.000	0.01120	0.01900	0.00380	0.33929	0.0	0.10000
Carex foenea	CXFO	25	4.000	0.00040	0.00200	0.00040	5.00000	0.0	0.01000
Carex umbellata	CXUM	25	92.000	0.46680	0.58360	0.11672	0.24875	0.0	2.00000
Elymus glaucus	ELGL	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Elymus innovatus	ELIN	25	80.000	0.06000	0.10227	0.02045	0.34088	0.0	0.50000
Oryzopsis asperifolia	ORAS	25	40.000	0.01480	0.03242	0.00648	0.43810	0.0	0.10000
Oryzopsis pungens	ORPU	25	100.000	0.08680	0.04581	0.00916	0.10555	0.01000	0.20000
Schizachne purpurascens	SCPU	25	4.000	0.00040	0.00200	0.00040	5.00000	0.0	0.01000
Equisetum variegatum	EQVA	25	96.000	0.04920	0.04600	0.00920	0.18699	0.0	0.10000
Lycopodium tristachyum	LYTR	25	20.000	0.28040	0.73896	0.14779	0.52565	0.0	3.00000

BASED ON 40 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2263
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.6274 NATURAL LOGARITHMS

40 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 34.4700



Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 13
Statistics for Soil Temperature and Synthetic Variables
FILE S182V (CREATION DATE = 04/17/83) Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE MAII

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	38 40000	2 59808	0 51962	0 01319	35 00000	44 00000
Tree Cover %	TREECV	25	100 000	8 94800	6 90834	1 38167	0 15441	0 50000	30 00000
Shrub Cover %	SHRBCV	25	100 000	23 20119	9 80534	1 96107	0 08452	1 04000	41 12997
Forb Cover %	FORBCV	25	92 000	0 06600	0 11314	0 02263	0 34284	0 0	0 51000
Graminoid Cover %	GRAMCV	25	100 000	0 23560	0 21846	0 04369	0 18545	0 02000	0 71000
Pteridophyte Cover %	PTERCV	25	92 000	0 23640	0 64501	0 12900	0 54570	0 0	3 01000
Tree Species Richness	TREERP	25	100 000	1 08000	0 27689	0 05538	0 05128	1 00000	2 00000
Shrub Species Richness	SHRBRP	25	100 000	5 60000	1 65831	0 33166	0 05923	1 00000	9 00000
Forb Species Richness	FORBRP	25	92 000	2 12000	1 26886	0 25377	0 11970	0 0	5 00000
Graminoid Species Richness	GRAMRP	25	100 000	2 00000	0 86603	0 17321	0 05774	2 00000	5 00000
Pteridophyte Species Richness	PTERRP	25	92 000	1 08000	0 49329	0 09866	0 09135	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	32 68717	11 17028	2 23406	0 06835	11 16000	52 24995
Total Vascular Species Richness	TOTLRP	25	100 000	12 88000	2 57190	0 50438	0 03916	9 00000	19 00000

Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S182V (CREATION DATE = 04/17/83) Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JN10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	49 20000	2 66145	0 53229	0 01082	45 00000	57 00000
Tree Cover %	TREECV	25	100 000	7 54400	5 45612	1 09122	0 14465	0 50000	20 00000
Shrub Cover %	SHRBCV	25	100 000	22 83999	9 62253	1 92451	0 08500	1 31000	35 10999
Forb Cover %	FORBCV	25	100 000	0 90520	0 57090	0 11418	0 12614	0 12000	2 30000
Graminoid Cover %	GRAMCV	25	100 000	0 68560	0 38925	0 07785	0 11355	0 11000	1 60000
Pteridophyte Cover %	PTERCV	25	92 000	0 24360	0 57440	0 11488	0 47159	0 0	2 01000
Tree Species Richness	TREERP	25	100 000	1 08000	0 27689	0 05538	0 05128	1 00000	2 00000
Shrub Species Richness	SHRBRP	25	100 000	5 80000	1 32288	0 26458	0 04562	3 00000	8 00000
Forb Species Richness	FORBRP	25	100 000	7 04000	1 67032	0 33407	0 04745	3 00000	10 00000
Graminoid Species Richness	GRAMRP	25	100 000	3 32000	0 62716	0 12543	0 03778	2 00000	4 00000
Pteridophyte Species Richness	PTERRP	25	92 000	1 08000	0 49329	0 09866	0 09135	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	32 01837	11 [illegible]349	2 39070	0 07467	10 93000	60 48995
Total Vascular Species Richness	TOTLRP	25	100 000	18 32000	2 44472	0 48894	0 02669	13 00000	25 00000

Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S182V (CREATION DATE = 04/17/83) Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JL10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	58 24000	3 67761	0 73546	0 01263	53 00000	66 00000
Tree Cover %	TREECV	25	100 000	9 04000	6 03448	1 20690	0 13351	0 50000	25 00000
Shrub Cover %	SHRBCV	25	100 000	27 17759	11 72182	2 34436	0 08626	2 23000	49 59999
Forb Cover %	FORBCV	25	100 000	1 39640	1 05762	0 21153	0 15148	0 34000	5 05000
Graminoid Cover %	GRAMCV	25	100 000	0 62720	0 42744	0 08549	0 12440	0 02000	1 80000
Pteridophyte Cover %	PTERCV	25	96 000	0 37120	0 90317	0 18063	0 48662	0 0	3 10000
Tree Species Richness	TREERP	25	100 000	1 08000	0 27689	0 05538	0 05128	1 00000	2 00000
Shrub Species Richness	SHRBRP	25	100 000	5 96000	1 69509	0 33902	0 05688	1 00000	9 00000
Forb Species Richness	FORBRP	25	100 000	7 68000	2 13542	0 42708	0 05561	2 00000	13 00000
Graminoid Species Richness	GRAMRP	25	100 000	3 64000	0 75719	0 15144	0 04160	2 00000	5 00000
Pteridophyte Species Richness	PTERRP	25	96 000	1 12000	0 43970	0 08794	0 07852	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	38 67237	13 85394	2 77079	0 07165	12 35000	70 28998
Total Vascular Species Richness	TOTLRP	25	100 000	19 48000	3 21611	0 64322	0 03302	11 00000	28 00000

Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE S182V (CREATION DATE = 04/17/83) Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE AU08

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	56 00000	1 35401	0 27080	0 00484	53 00000	59 00000
Tree Cover %	TREECV	25	100 000	9 70400	7 57097	1 51419	0 15604	1 00000	25 00000
Shrub Cover %	SHRBCV	25	100 000	28 14479	10 58662	2 11732	0 07523	2 30000	48 10999
Forb Cover	FORBCV	25	100 000	1 80560	0 83028	0 16606	0 09197	0 72000	4 41000
Graminoid Cover %	GRAMCV	25	100 000	1 01680	0 66427	0 13287	0 13042	0 11000	2 70000
Pteridophyte Cover %	PTERCV	25	92 000	0 28480	0 58536	0 11707	0 41107	0 0	2 10000
Tree Species Richness	TREERP	25	100 000	1 08000	0 27689	0 05538	0 05128	1 00000	2 00000
Shrub Species Richness	SHRBRP	25	100 000	6 04000	1 59274	0 31875	0 05277	1 00000	9 00000
Forb Species Richness	FORBRP	25	100 000	8 36000	1 93391	0 38678	0 04627	5 00000	12 00000
Graminoid Species Richness	GRAMRP	25	100 000	3 68000	0 80208	0 16042	0 04359	2 00000	6 00000
Pteridophyte Species Richness	PTERRP	25	92 000	1 08000	0 49329	0 09866	0 09135	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	40 95797	12 23098	2 44620	0 05972	15 94000	65 24997
Total Vascular Species Richness	TOTLRP	25	100 000	20 24000	3 32014	0 66403	0 03281	14 00000	30 00000

Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 17
Statistics for Soil Temperature and Synthetic Variables
FILE S182V CREATION DATE = 04/17/83 Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE SE09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm. degrees F	TEMP	25	100.000	54.64000	1.38082	0.27616	0.00505	51.00000	57.00000
Tree Cover %	TREECV	25	100.000	8.08400	5.44340	1.08868	0.13467	0.50000	20.00000
Shrub Cover %	SHRBCV	25	100.000	28.25988	12.82217	2.56443	0.09074	2.63000	53.50000
Forb Cover %	FORBCV	25	100.000	1.18800	0.55360	0.11072	0.09320	0.22000	2.53000
Graminoid Cover %	GRAMCV	25	100.000	1.24760	0.77826	0.15565	0.12476	0.12000	2.80000
Pteridophyte Cover %	PTERCV	25	88.000	0.43400	1.06717	0.21343	0.49178	0.0	4.10000
Tree Species Richness	TREERP	25	100.000	1.08000	0.27689	0.05538	0.05128	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	5.84000	1.51877	0.30375	0.05201	2.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	7.44000	1.68522	0.33705	0.04530	4.00000	11.00000
Graminoid Species Richness	GRAMRP	25	100.000	3.92000	0.75939	0.15188	0.03874	2.00000	5.00000
Pteridophyte Species Richness	PTERRP	25	88.000	1.04000	0.53852	0.10770	0.10356	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	39.21357	14.84555	2.96911	0.07572	15.82000	78.92896
Total Vascular Species Richness	TOTLRP	25	100.000	19.32000	2.80951	0.56190	0.02908	15.00000	27.00000

Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey 04/17/83 PAGE 18
Statistics for Soil Temperature and Synthetic Variables
FILE S182V CREATION DATE = 04/17/83 Stand 1 (42 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE OC10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm. degrees F	TEMP	25	100.000	40.48000	0.77028	0.15406	0.00381	39.00000	42.00000
Tree Cover %	TREECV	25	100.000	7.68040	5.98549	1.19710	0.15586	0.50000	20.00000
Shrub Cover %	SHRBCV	25	100.000	25.28079	9.98047	1.99609	0.07895	2.12000	44.05999
Forb Cover %	FORBCV	25	100.000	0.58400	0.53682	0.10736	0.18384	0.02000	2.13000
Graminoid Cover %	GRAMCV	25	100.000	0.59920	0.59711	0.11942	0.20064	0.02000	2.20000
Pteridophyte Cover %	PTERCV	25	96.000	0.32960	0.73812	0.14762	0.44789	0.0	3.01000
Tree Species Richness	TREERP	25	100.000	1.08000	0.27689	0.05538	0.05128	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	5.84000	1.68028	0.33606	0.05752	2.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	4.68000	1.81934	0.36387	0.07775	1.00000	8.00000
Graminoid Species Richness	GRAMRP	25	100.000	3.44000	1.00333	0.20067	0.05833	2.00000	6.00000
Pteridophyte Species Richness	PTERRP	25	96.000	1.16000	0.47258	0.09452	0.08148	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	34.46597	12.49255	2.49851	0.07249	12.07000	65.14996
Total Vascular Species Richness	TOTLRP	25	100.000	16.00000	2.82843	0.56569	0.03536	12.00000	24.00000

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BEPA	PIBA	PIGL	POTR	ALCR	AMAL	ARUV	PRPE	PRVI	ROAC	ROWO	RUST	SABE	SHCA	SYAL	ANMU	ANPA	ARNU	ASCI	ASLA	CARC	ERGL	GABO	GELI
MA10																									
	0A	0	.500	0	0	0	.010	20.0	0	0	.010	0	0	0	.010	0	0	0	0	0	0	0	0	0	0
	0C	0	4.00	0	0	0	.010	25.0	0	0	.100	0	0	0	.010	0	0	0	0	0	0	0	.010	0	0
	0E	0	2.00	0	0	1.00	.010	15.0	0	0	.010	0	0	0	0	0	0	0	0	0	.010	0	.010	0	0
	0G	0	10.0	0	0	.010	.010	30.0	0	0	.010	0	0	0	0	0	0	0	0	0	.010	0	.010	0	0
	0I	0	27.0	0	0	3.00	0	3.00	.010	0	.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2I	0	25.0	0	0	2.00	.010	7.00	.010	0	.010	0	0	0	.010	0	0	0	0	0	0	0	0	0	0
	2G	0	25.0	0	0	2.00	0	5.00	.010	0	.010	0	0	0	0	0	0	0	0	0	.010	0	0	0	0
	2E	0	7.00	0	0	0	0	7.00	.100	0	.010	.010	0	0	2.00	0	0	0	0	0	.010	0	.010	0	0
	2C	0	15.0	0	0	3.00	0	3.00	.010	0	.100	0	.010	0	.010	0	0	0	0	0	0	0	0	0	0
	2A	0	12.0	0	0	.100	0	7.00	0	0	.010	0	0	0	.010	0	0	0	0	0	.010	0	.010	0	0
	4A	0	3.00	0	0	0	.010	20.0	0	0	.100	0	0	0	.100	0	0	0	0	0	.010	0	0	0	0
	4C	0	10.0	0	0	1.00	0	3.00	0	0	.010	0	0	0	.100	0	0	0	0	0	0	0	0	0	0
	4E	0	12.0	1.00	0	1.00	0	5.00	0	0	.010	0	0	0	0	0	0	.010	0	0	.100	0	0	0	0
	4G	0	10.0	0	0	0	0	30.0	0	0	.100	0	0	0	0	0	0	0	0	0	0	0	.010	0	0
	4I	0	0	0	0	.100	0	10.0	0	0	.010	0	0	.100	0	0	0	0	0	0	.010	.010	.010	0	0
	6I	0	3.00	0	0	.500	.010	25.0	0	0	.010	0	0	0	0	0	0	0	0	0	.010	0	.010	0	0
	6G	0	13.0	0	0	0	0	15.0	0	0	.100	0	0	0	0	0	0	.010	0	0	.010	0	.100	0	0
	6E	0	15.0	0	0	1.00	.100	.100	0	0	.100	0	0	0	0	0	0	0	0	0	.010	.010	0	0	0
	6C	0	15.0	0	0	2.00	.010	5.00	0	0	.100	0	0	0	0	0	0	0	0	0	.010	0	.100	0	0
	6A	0	25.0	0	0	2.00	0	2.00	0	0	.010	0	0	0	0	0	0	0	0	0	0	0	.010	0	0
	8A	0	30.0	.010	0	3.00	0	0	0	0	.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8C	0	25.0	0	0	1.00	0	1.00	.010	0	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8E	0	15.0	0	0	1.00	0	3.00	.010	0	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8G	0	12.0	0	0	1.00	.100	8.00	.010	0	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8I	0	4.00	0	0	.100	0	5.00	.010	0	.010	0	0	0	0	0	0	0	0	0	.100	0	.010	0	0
Mean		0	12.8	.080	0	.952	.011	10.1	.007	0	.046	.000	.000	.004	.090	0	0	.001	0	0	.012	.001	.012	0	0
JN11																									
	0A	0	1.00	0	.100	0	.500	30.0	0	0	.500	0	0	0	1.00	0	.100	.100	0	0	.100	0	0	.100	0
	0C	0	1.00	0	0	0	.500	30.0	0	0	1.00	0	0	0	0	0	.100	0	0	0	.100	0	.100	.100	0
	0E	0	2.00	0	0	3.00	1.00	25.0	.100	0	2.00	0	0	0	0	0	0	.100	0	0	.100	.010	.100	.500	0
	0G	0	8.00	0	0	0	.100	40.0	0	0	.500	0	0	0	0	0	.010	.100	0	0	.100	0	0	.500	0
	0I	0	20.0	0	0	4.00	.100	4.00	0	0	1.00	0	0	0	0	0	.010	0	0	0	0	.010	.100	0	0
	2I	0	20.0	0	0	2.00	.100	25.0	.100	0	.500	0	0	0	.100	0	.010	0	.100	0	.100	.010	0	.100	.500
	2G	0	15.0	0	0	5.00	0	10.0	0	0	2.00	0	.100	0	0	0	0	0	0	0	.100	0	0	.100	1.00
	2E	0	5.00	0	0	0	2.00	4.00	.100	0	.500	0	0	0	15.0	0	0	.100	0	0	.100	.010	0	.100	0
	2C	0	10.0	0	0	5.00	0	1.00	.100	0	2.00	0	.010	0	0	0	0	.100	0	0	.010	.010	.010	.100	2.00
	2A	0	5.00	0	0	.500	.100	10.0	0	0	1.00	0	0	0	0	0	.100	0	0	0	.500	0	.100	.100	0
	4A	0	2.00	0	0	1.00	0	25.0	0	0	2.00	0	0	0	0	0	0	0	0	0	.500	.010	.100	.100	0
	4C	0	7.00	0	0	2.00	.500	5.00	.010	0	2.00	0	0	0	1.00	0	0	0	0	0	.100	0	0	.100	0
	4E	0	15.0	.08	0	1.00	.100	5.00	0	0	.500	0	0	0	.010	0	.010	.100	0	0	.100	0	0	.010	.100
	4G	0	10.0	0	0	0	0	25.0	0	0	.500	0	0	0	0	0	.010	.100	0	0	.100	.010	.010	.010	.100
	4I	0	0	0	0	1.00	0	5.00	0	0	.100	0	0	.500	.010	0	0	.010	0	0	.100	.010	.100	.010	.010
	6I	0	1.00	0	0	.500	.500	15.0	.010	0	.500	0	0	0	0	0	.010	.100	0	0	.500	.010	.100	.100	0
	6G	0	10.0	0	0	0	0	15.0	0	0	1.00	0	0	0	0	0	.100	.010	0	0	.100	0	.100	.100	0
	6E	0	12.0	0	0	1.00	.500	.500	0	0	1.00	0	0	0	0	0	.010	.010	0	0	.010	.010	0	.010	0
	6C	0	10.0	0	0	2.00	.100	5.00	.100	0	2.00	0	0	0	0	0	.010	.100	0	0	.010	0	.010	.010	0
	6A	0	15.0	0	0	2.00	.100	1.00	.010	0	1.00	0	0	0	0	0	.010	0	0	0	.100	.010	.010	.010	0
	8A	0	20.0	0	0	3.00	0	.500	0	0	1.00	0	0	0	0	0	0	0	.010	0	0	.010	0	0	.500
	8C	0	13.0	0	0	3.00	.100	2.00	.100	0	1.00	0	.010	0	0	0	0	0	.100	0	0	0	0	.010	2.00
	8E	0	15.0	0	0	2.00	.500	3.00	.010	0	1.00	0	0	0	0	0	.010	.100	.100	0	.010	.010	0	.010	1.00
	8G	0	8.00	0	0	1.00	.500	2.00	0	0	1.00	0	.100	0	0	0	0	.010	.100	0	.010	0	0	.010	.100
	8I	0	4.00	0	0	.010	.010	8.00	.010	0	1.00	0	0	0	0	0	.010	.010	0	0	.500	.010	.100	.100	0
Mean		0	9.08	.040	.004	1.60	.292	12.2	.025	0	1.14	0	.008	.020	.585	0	.020	.042	.018	0	.134	.008	.038	.092	.292
JL11																									
	0A	0	2.00	0	.100	0	2.00	25.0	0	0	1.00	0	0	0	1.00	0	.010	.100	0	0	.500	.010	0	.500	.010
	0C	0	3.00	0	0	0	1.00	30.0	.100	0	2.00	0	0	0	.010	0	.010	0	0	0	.500	0	.500	.010	0
	0E	0	3.00	0	0	5.00	.500	20.0	.100	0	2.00	.100	0	0	0	0	.100	.100	0	0	2.00	.010	.100	1.00	0
	0G	0	8.00	0	0	.500	.500	35.0	0	0	1.00	0	0	0	0	0	.010	.100	0	0	1.00	0	.100	.100	0
	0I	0	17.0	0	0	10.0	.500	1.00	.500	0	1.00	0	0	0	0	0	.010	.100	0	0	0	.010	.100	.010	0
	2I	0	15.0	0	0	8.00	.100	8.00	.500	0	2.00	0	0	0	.010	0	.100	0	.500	0	.100	.010	.010	.100	.500
	2G	0	20.0	0	0	10.0	0	8.00	.100	0	1.00	0	0	0	0	0	.100	0	0	0	0	.010	0	.100	1.00
	2E	0	7.00	0	0	0	1.00	7.00	.500	0	.500	1.00	0	0	10.0	0	.010	.100	0	0	1.00	.010	.100	.010	0
	2C	0	13.0	0	0	8.00	.100	2.00	.100	0	3.00	0	.100	0	.500	0	.100	.100	0	0	.100	.010	0	.010	2.00
	2A	0	13.0	0	0	1.00	.100	12.0	0	0	1.00	0	0	0	1.00	0	.010	.100	0	0	.500	0	.100	.100	0
	4A	0	3.00	0	0	0	1.00	20.0	0	0	2.00	0	0	0	1.00	0	0	0	0	0	1.00	.010	.100	.100	0
	4C	0	10.0	0	0	3.00	.500	5.00	.100	0	1.00	0	0	0	1.00	0	0	0	0	0	.500	0	.010	.010	0
	4E	0	10.0	1.00	0	5.00	.500	10.0	0	0	3.00	0	0	0	.100	0	.100	.100	0	0	.500	0	.100	.100	.100
	4G	0	10.0	0	0	0	0	35.0	0	0	1.00	0	0	0	0	0	.100	.100	0	0	.500	.010	.100	.100	.500
	4I	0	0	0	0	1.00	.500	10.0	0	0	.500	0	0	1.00	0	0	0	0	0	0	.500	.010	.100	.100	.100
	6I	0	1.00	0	0	2.00	1.00	25.0	0	0	1.00	0	0	0	0	0	.100	.100	0	0	.500	.010	.100	.100	0
	6G	0	7.00	0	0	0	0	15.0	.100	0	3.00	0	0	0	0	0	.100	0	0	0	.500	.010	.100	.100	.100
	6E	0	10.0	0	0	4.00	.500	.500	0	0	2.00	0	0	0	0	0	.100	0	0	0	.100	.010	.100	.010	0
	6C	0	10.0	0	0	15.0	.500	5.00	.100	0	5.00	0	0	0	0	0	.100	0	0	0	.500	0	.100	.010	0
	6A	0	20.0	0	0	8.00	.010	0	0	0	3.00	0	0	0	0	0	.100	0	0	0	.100	.010	.100	0	0
	8A	0	20.0	0	0	10.0	0	0	0	0	3.00	0	0	0	0	0	0	0	0	0	0	.010	0	0	3.00
	8C	0	15.0	0	0	5.00	0	.100	.100	0	5.00	0	.100	0	0	0	0	0	4.00	0	0	0	0	.010	2.00
	8E	0	15.0	0	0	4.00	1.00	3.00	.100	0	4.00	0	0	0	0	0	.500	0	4.00	0	.100	0	0	0	1.00
	8G	0	7.00	0	0	4.00	5.00	3.00	0	0	3.00	0	1.00	0	0	0	.100	0	2.00	0	.500	0	0	.010	.500
	8I	0	5.00	0	.100	.100	.100	7.00	.100	0	3.00	0	0	0	0	0	.100	0	0	0	.500	.100	0	.100	0
Mean		0	5.76	.040	.008	3.88	.656	11.5	.100	0	2.16	.044	.048	.040	.585	0	.074	.040	.420	0	.450	.010	.077	.108	.432
AU09																									
	0A	0	1.00	0	.100	0	.500	25.0	0	0	1.00	0	0	0	.500	0	.100	0	0	0	.500	.010	.100	.100	.010
	0C	0	2.00	0	0	0	.500	30.0	.100	0	2.00	0	0	0	0	0	.100	.010	0	0	1.00	0	.500	.100	0
	0E	0	2.00	0	0	4.00	.100	25.0	.100	0	3.00	0	0	0	0	0	.100	0	0	0	3.00	.010	.500	.100	0
	0G	0	7.00	0	0	0	.100	35.0	0	0	1.00	0	0	0	0	0	.100	0	0	0	1.00	.010	.100	.100	0
	0I	0	25.0	0	0	15.0	.500	2.00	1.00	0	4.00	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	2I	0	17.0	0	0	7.00	.500	7.00	.100	0	3.00	0	0	0	0	0	.100	0	.100	0	.100	.010	.100	.100	.500
	2G	0	20.0	0	0	15.0	0	10.0	.100	0	2.00	0	.100	0	0	0	.100	0	0	0	.500	0	0	.100	1.00
	2E	0	4.00	0	0	0	1.00	8.00	.500	0	3.00	0	0	0	25.0	0	.100	0	0	0	1.00	.010	.500	0	0
	2C	0	17.0	0	0	10.0	0	5.00	.500	0	4.00	0	.500	0	0	0	.100	0	0	0	.100	0	0	.100	2.00
	2A	0	20.0	0	0	0	.100	12.0	0	0	1.00	0	.10	0	.500	0	.100	0	0	0	1.00	.010	.500	.100	0
	4A	0	3.00	0	0	0	.500	25.0	0	0	2.00	0	0	0	.100	0	.100	0	0	0	2.00	0	.100	.010	0
	4C	0	10.0	0	0	4.00	.500	4.00	.500	0	3.00	0	0	0	1.00	0	0	0	0	0	.500	0	.100	.100	0
	4E	0	10.0	.500	0	8.00	.500	8.00	0	0	3.00	0	0	0	.100	0	.100	0	0	0	1.00	.010	.100	.100	.100
	4G	0	14.0	0	0	[illegible]	0	35.0	0	0	1.00	0	0	0	0	0	.100	.100	0	0	.500	.010	0	.500	.010
	4I	0	0	0	0	2.00	.100	5.00	0	0	1.00	0	0	2.00	0	0	0	.100	0	0	1.00	.100	.100	.100	.100
	6I	0	2.00	0	0	2.00	2.00	25.0	.500	0	2.00	0	0	0	0	0	.100	.100	0	0	2.00	.100	.500	1.00	0
	6G	0	9.00	0	0	0	.010	20.0	.500	0	3.00	0	0	0	0	0	.500	.100	0	0	1.00	.010	.500	.100	.500
	6E	0	17.0	0	0	4.00	1.00	3.00	0	0	3.00	0	0	0	0	0	.100	.010	0	0	.500	.010	.500	0	0
	6C	0	18.0	0	0	5.00	.500	9.00	1.00	0	4.00	0	0	0	0	0	.100	.010	0	0	1.00	.010	.500	.100	0
	6A	0	25.0	0	0	8.00	.500	2.00	.100	0	4.00	0	0	0	0	0	.100	0	0	0	.500	.010	.500	.100	0
	8A	0	35.0	0	0	8.00	0	.500	0	0	3.00	0	0	0	0	0	0	0	1.00	0	0	0	0	0	4.00
	8C	0	23.0	0	0	10.0	.500	3.00	1.00	0	4.00	0	.100	0	0	0	0	0	2.00	0	0	0	0	0	3.00
	8E	0	11.0	0	0	5.00	2.00	8.00	.500	0	3.00	0	.100	0	0	0	.010	1.00	8.00	0	1.00	.010	0	.010	3.00

SEADYN Project Mondo-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BEPA	PIBA	PICL	POTR	ALCR	AMAL	ARUV	PEPE	PRVI	ROAC	ROWO	RUST	SABE	SHCA	SYAL	ANMU	ANPA	ARNU	ASCI	ASLA	CARO	ERGL	GABO	GELI
	8C	0	15 0	0	0	8 00	4 00	5 00	500	0	3 00	0	1 00	0	0	0	0	010	5 00	0	1 00	100	0	100	500
	8I	0	4 00	0	0	500	500	10 0	1 00	0	3 00	0	0	0	0	0	500	100	0	0	2 00	100	100	500	0
Mean		0	12 4	020	004	4 46	538	12 7	320	0	2 84	0	072	080	1 08	0	104	082	484	0	888	021	216	141	588
SEPT																	100	100	0	0	1 00	010	100	500	0
	0A	0	30	0	100	0	100	30 0	0	0	1 00	0	0	0	1 00	0	016	0	0	0	500	0	500	010	0
	0C	0	5 00	0	0	0	500	25 0	010	0	500	0	0	0	0	0	100	100	0	0	2 00	010	100	100	0
	0E	0	2 00	0	0	4 00	100	25 0	100	0	1 00	0	0	0	0	0	010	010	0	0	500	010	100	100	0
	0G	0	10 0	0	0	010	100	30 0	0	0	500	0	0	0	0	0	0	100	0	0	0	010	010	0	100
	0I	0	25 0	0	0	15 0	100	7 00	500	0	500	0	0	0	0	0	010	010	0	0	500	010	0	100	500
	2I	0	25 0	0	0	8 00	500	5 00	500	0	100	0	0	0	010	0	0	010	0	0	100	010	0	100	2 00
	2G	0	20 0	0	0	15 0	010	10 0	100	0	1 00	0	100	0	0	0	010	010	0	0	1 00	010	500	010	0
	2E	0	12 0	0	0	0	100	8 00	1 00	0	500	1 00	0	0	12 0	0	010	100	0	0	500	0	100	010	2 00
	2C	0	12 0	0	0	12 0	0	3 00	1 00	0	2 00	0	2 00	0	500	0	010	010	0	0	100	0	010	100	0
	2A	0	12 0	0	0	1 00	100	13 0	0	0	1 00	0	0	0	1 00	0	010	010	0	0	1 00	010	100	100	0
	4A	0	5 00	0	0	0	100	20 0	0	0	1 00	0	0	0	2 00	0	0	0	0	0	500	0	100	100	0
	4C	0	7 00	0	0	2 00	0	3 00	500	0	1 00	0	0	0	500	0	100	0	0	0	500	010	0	100	100
	4E	0	3 00	1 00	0	4 00	0	10 0	0	0	2 00	0	0	0	0	0	100	0	0	0	500	0	100	100	100
	4G	0	15 0	0	0	100	0	25 0	0	0	1 00	0	0	1 00	0	0	0	0	0	0	100	010	500	010	0
	4I	0	0	0	0	100	0	7 00	0	0	0	0	0	0	0	0	100	0	0	0	3 00	0	500	100	0
	6I	0	100	0	0	2 00	500	25 0	0	0	500	0	0	0	0	0	500	0	0	0	500	0	100	100	100
	6G	0	12 0	0	0	0	0	10 0	0	0	500	0	0	0	0	0	100	0	0	0	500	0	100	0	0
	6E	0	12 0	0	0	5 00	100	3 00	0	0	100	0	0	0	0	0	100	0	0	0	100	010	100	100	0
	6C	0	5 00	0	0	7 00	100	4 00	0	0	500	0	0	0	0	0	100	0	0	0	100	0	100	010	0
	6A	0	17 0	0	0	8 00	0	500	0	0	500	0	0	0	0	0	0	0	0	0	0	010	0	0	100
	8A	0	20 0	0	0	8 00	0	100	0	0	2 00	0	0	0	0	0	0	0	100	0	0	0	0	0	100
	8C	0	25 0	0	0	5 00	100	2 00	100	0	500	0	100	0	0	0	100	0	100	0	100	010	0	100	500
	8E	0	2 00	0	0	4 00	500	4 00	500	0	100	0	500	0	0	0	100	0	0	0	500	0	0	100	100
	8G	0	7 00	0	0	2 00	100	3 00	0	0	500	0	100	0	0	0	100	0	0	0	100	100	0	100	0
	8I	0	2 00	0	0	100	100	10 0	500	0	100	0	0	0	0	0									
Mean		0	10 4	040	004	4 13	272	12 1	193	0	880	040	148	040	880	0	067	018	004	0	855	009	18	382	300
OCT															100	0	010	0	0	0	100	0	0	0	0
	0A	0	500	0	010	0	010	30 0	0	0	100	0	0	0	010	0	0	0	0	0	100	0	500	0	0
	0C	0	2 00	0	0	0	010	30 0	0	0	100	0	0	0	0	0	010	0	0	0	100	0	100	0	0
	0E	0	500	0	0	100	0	25 0	010	0	100	0	0	0	0	0	0	0	0	0	500	0	100	0	0
	0G	0	2 00	0	0	0	010	30 0	0	0	010	0	0	0	0	0	0	0	0	0	0	0	100	0	0
	0I	0	17 0	0	0	2 00	010	500	010	0	010	0	0	0	0	0	0	0	0	0	100	010	010	0	010
	2I	0	15 0	0	0	100	010	4 00	0	0	010	0	0	0	0	0	0	0	0	0	100	010	0	0	500
	2G	0	20 0	0	0	2 00	0	7 00	0	0	100	0	100	0	0	0	0	0	0	0	100	0	100	010	0
	2E	0	7 00	0	0	0	010	4 00	010	0	100	0	0	0	2 00	0	100	0	0	0	100	0	100	0	2 0
	2C	0	10 0	0	0	2 00	0	1 00	010	0	010	0	500	0	010	0	0	0	0	0	100	010	100	0	0
	2A	0	7 00	0	0	100	0	5 00	0	0	010	0	0	0	100	0	0	0	0	0	100	0	100	0	0
	4A	0	2 00	0	0	0	010	30 0	0	0	100	0	0	0	010	0	0	0	0	0	100	0	100	0	0
	4C	0	4 00	0	0	500	010	2 00	010	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0	0
	4E	0	8 00	1 00	0	2 00	0	8 00	0	0	100	0	0	0	0	0	010	0	0	0	100	0	100	010	100
	4G	0	10 0	0	0	010	0	30 0	0	0	010	0	0	1 00	0	0	0	0	0	0	500	0	100	010	0
	4I	0	0	0	0	3 00	0	7 00	0	0	010	0	0	0	0	0	010	0	0	0	1 00	010	100	010	0
	6I	0	2 00	0	0	500	010	25 0	010	0	010	0	0	0	0	0	010	0	0	0	100	0	500	010	010
	6G	0	8 00	0	0	0	0	15 0	0	0	010	010	0	0	0	0	0	0	0	0	500	010	010	010	0
	6E	0	15 0	0	0	100	010	4 00	0	0	500	0	0	0	0	0	0	0	0	0	500	010	500	0	0
	6C	0	10 0	0	0	2 00	0	6 00	0	0	100	0	0	0	0	0	0	010	0	0	100	0	0	0	0
	6A	0	20 0	0	0	3 00	0	1 00	0	0	010	0	0	0	0	0	0	0	0	0	0	010	0	0	500
	8A	0	20 0	010	0	2 00	0	500	0	0	010	0	0	0	0	0	0	0	0	0	0	0	0	0	100
	8C	0	25 0	0	0	2 00	0	500	100	0	100	0	010	0	0	0	010	010	0	0	100	010	0	100	100
	8E	0	12 0	0	0	2 00	010	5 00	010	0	100	0	100	0	0	0	0	0	0	0	500	0	0	010	0
	8G	0	7 00	0	0	2 00	100	1 00	010	0	500	010	100	0	0	0	010	010	0	0	100	010	100	010	0
	8I	0	7 00	0	0	010	010	10 0	010	0	100	0	0	0	0	0									
Mean		0	9 75	040	000	1 32	305	11 6	008	0	392	001	068	004	085	0	067	00	0	0	240	004	109	007	083

TRANSPACE REQUIRED 1200 BYTES
12 TRANSFORMATIONS
15 RECODE VALUES + LAG VARIABLES
8 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0 46 SECONDS

```
46 REPORT      FORMAT = MDSPACE 1  BRKSPACE 0  FTSPACE 0  LIST
47             VARIABLES = PLOTNO PLOT 4  PICA TO LYTR 4  VAMY TO MACA 4
48             HEAD = 'SEADYN Project  Mondo-Slave Lake  Stand 2
49             'Monthly Survey of Vascular Plant Community'
50             'Species Cover % Values by 5x5 m Plots'
51             BREAK = SUBFILE  Date  4
52             SUMMARY = MEAN 'Mean
```

REPORT REQUIRES 2170 BYTES FOR THIS TASK

SEADYN Project, Mongo-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

MAY

Date	Plot	HICA	LIBO	LIPH	HELI	PYSE	PYVI	SODE	VIAD	CXFO	CXUM	ELGL	ELIN	ORAS	ORPU	EOAR	EOVA	LYTR	VAMY	VAVI	MACA
MAY																					
	0A	0	0	0	0	0	100	0	0	0	500	0	0	0	010	0	010	0	100	10 0	0
	0C	0	0	0	0	0	0	010	0	0	500	0	010	0	010	0	010	0	0	6 00	0
	0E	0	0	0	0	0	0	0	0	0	4 00	0	0	0	010	0	010	0	0	5 00	0
	0G	0	0	0	0	0	0	010	0	0	500	0	010	0	100	0	0	0	0	2 00	0
	0I	0	100	0	0	100	0	0	0	0	0	0	010	0	0	0	0	0	0	4 00	0
	2I	0	4 00	0	0	100	0	0	0	0	0	0	010	0	0	0	0	0	010	20 0	0
	2G	0	2 00	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	100	10 0	0
	2E	0	1 00	0	0	100	0	0	0	0	0	0	0	0	010	0	0	0	100	20 0	0
	2C	0	0	0	0	100	0	0	0	0	0	0	010	0	010	0	0	0	100	5 00	0
	2A	0	0	0	0	0	100	010	0	0	100	0	0	0	100	0	010	0	100	5 00	0
	4A	0	0	0	0	0	0	010	0	0	500	010	010	0	010	0	010	0	100	100	0
	4C	0	0	0	0	0	0	100	0	0	500	0	0	0	010	0	010	0	010	100	0
	4E	0	500	0	0	0	100	0	0	0	0	0	0	0	010	0	0	0	010	7 00	0
	4G	0	100	0	0	0	010	0	0	0	100	0	0	0	010	0	0	0	010	10 0	0
	4I	0	0	0	0	0	100	010	0	0	100	0	010	0	010	0	010	0	0	3 00	0
	6I	0	0	0	0	0	0	100	0	0	500	0	0	0	010	0	010	500	100	6 00	0
	6G	0	0	0	0	0	0	0	0	0	100	0	010	0	010	0	100	0	100	10 0	0
	6E	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	100	2 00	0
	6C	0	0	0	0	0	010	010	0	0	0	0	010	0	010	0	0	0	010	1 00	0
	6A	0	0	0	0	0	010	010	0	0	0	0	0	0	0	0	0	0	100	500	0
	8A	0	500	0	0	0	100	0	0	0	0	0	010	0	0	0	0	0	0	4 00	0
	8C	0	500	0	0	100	010	0	0	0	0	0	0	0	0	0	0	0	010	10 0	0
	8E	0	1 00	0	0	010	010	0	0	0	0	0	010	0	0	0	0	100	100	10 0	0
	8G	0	2 00	0	0	010	010	0	0	0	0	0	010	0	010	0	010	0	500	15 0	0
	8I	0	2 00	0	0	0	0	0	0	0	100	0	0	0	010	0	010	0	500	10 0	0
Mean		0	592	0	0	021	022	011	0	0	300	000	005	0	014	0	008	024	088	7 03	0

JUNE

Date	Plot	HICA	LIBO	LIPH	HELI	PYSE	PYVI	SODE	VIAD	CXFO	CXUM	ELGL	ELIN	ORAS	ORPU	EOAR	EOVA	LYTR	VAMY	VAVI	MACA
JUN																					
	0A	0	0	0	0	0	100	0	100	0	500	0	0	010	500	0	010	0	3 00	7 00	1 00
	0C	0	0	0	0	0	100	100	0	0	1 00	0	100	0	100	0	0	0	0	2 00	100
	0E	0	0	0	0	0	0	0	100	0	500	0	100	0	010	0	0	0	500	5 00	4 00
	0G	0	0	0	0	0	100	100	010	0	500	0	100	0	500	0	0	0	0	500	500
	0I	0	500	0	0	100	0	010	0	0	100	0	100	0	0	0	0	0	0	3 00	1 00
	2I	0	3 00	0	0	100	0	0	0	0	010	0	100	0	0	0	0	0	100	4 00	3 00
	2G	0	3 00	0	0	0	0	0	100	0	0	0	0	0	010	0	0	0	4 00	10 0	3 00
	2E	0	4 00	0	0	500	0	0	010	010	0	0	0	0	010	0	0	0	5 00	20 0	1 00
	2C	0	500	0	0	0	0	0	010	0	0	0	100	0	010	0	0	0	500	5 00	3 00
	2A	0	0	0	0	0	0	100	010	0	010	0	100	010	100	0	010	0	3 00	10 0	3 00
	4A	0	0	0	0	0	0	500	0	0	100	010	100	0	100	0	0	0	100	500	0
	4C	0	0	0	0	0	0	500	0	010	1 00	0	100	0	100	0	010	0	0	100	500
	4E	0	1 00	0	0	0	0	0	0	0	0	0	010	0	010	0	0	0	1 00	3 00	100
	4G	0	0	0	0	0	0	0	0	0	500	0	010	0	100	0	010	0	500	10 0	100
	4I	010	0	0	0	0	100	100	0	0	500	0	010	010	100	0	0	0	100	0	010
	6I	0	0	0	0	0	0	100	010	0	100	0	0	100	100	0	010	500	2 00	500	1 00
	6G	100	0	0	0	0	0	0	0	0	500	0	010	010	100	0	010	0	1 00	10 0	100
	6E	0	100	0	0	0	0	010	010	0	0	0	010	0	010	0	010	0	2 00	2 00	500
	6C	0	0	0	0	0	0	010	0	0	0	0	010	0	010	0	0	0	0	500	500
	6A	0	0	0	0	0	010	010	0	010	0	0	010	0	010	0	0	0	500	500	100
	8A	0	100	0	0	0	100	0	0	010	0	0	100	0	0	010	0	0	0	3 00	100
	8C	0	1 00	0	0	100	0	0	0	0	0	0	010	0	0	0	0	0	100	12 0	1 00
	8E	0	3 00	0	0	0	010	0	010	0	0	0	100	0	010	0	0	100	1 00	10 0	3 00
	8G	0	3 00	0	0	0	010	0	010	0	010	0	010	0	010	0	010	0	2 00	5 00	500
	8I	0	500	0	0	0	0	0	100	0	010	0	010	010	100	0	010	0	2 00	8 00	2 00
Mean		004	788	0	0	032	021	062	019	002	214	000	048	008	080	006	004	024	1 14	5 28	1 18

JULY

Date	Plot	HICA	LIBO	LIPH	HELI	PYSE	PYVI	SODE	VIAD	CXFO	CXUM	ELGL	ELIN	ORAS	ORPU	EOAR	EOVA	LYTR	VAMY	VAVI	MACA
JUL																					
	0A	010	0	0	500	0	100	100	0	0	500	0	010	100	500	100	100	0	1 00	10 0	500
	0C	0	0	0	1 00	0	0	100	0	0	010	0	100	0	100	0	0	0	0	3 00	100
	0E	010	0	0	0	0	0	100	0	0	010	0	500	010	100	0	0	0	0	3 00	1 00
	0G	0	100	0	0	0	0	010	0	0	500	0	0	0	500	0	0	0	0	2 00	100
	0I	0	500	0	0	010	0	0	0	0	010	0	100	0	010	0	0	0	0	1 00	500
	2I	0	3 00	0	0	100	0	0	0	0	100	0	500	0	010	0	0	0	500	20 0	2 00
	2G	010	3 00	0	0	0	0	0	100	0	0	0	0	0	010	0	0	0	2 00	12 0	2 00
	2E	0	2 00	0	0	100	0	010	010	0	0	0	010	0	100	0	0	0	2 00	10 0	500
	2C	0	1 00	0	0	100	0	0	0	0	0	0	100	0	010	0	0	0	500	3 00	1 00
	2A	0	0	0	010	0	0	100	010	0	010	0	100	0	010	010	100	0	1 00	8 00	500
	4A	100	0	0	500	0	0	500	0	0	1 00	100	010	0	100	0	010	0	2 00	500	0
	4C	0	0	0	010	0	0	500	0	010	500	0	010	0	500	0	010	0	500	100	010
	4E	0	1 00	0	0	0	100	100	0	0	0	0	100	0	100	0	0	0	100	10 0	500
	4G	0	0	0	0	0	0	500	0	0	100	0	0	0	100	0	010	0	500	500	500
	4I	010	0	0	010	0	010	100	0	0	100	0	500	0	010	0	0	0	0	500	100
	6I	0	0	0	0	0	0	100	0	0	100	0	500	0	010	0	0	500	1 00	5 00	3 00
	6G	0	100	0	0	0	0	100	0	0	0	0	100	0	100	0	010	0	100	15 0	500
	6E	0	0	0	0	0	100	100	0	0	0	0	100	0	010	0	0	0	1 00	2 00	1 00
	6C	0	0	0	0	0	100	500	0	0	0	0	100	0	010	0	0	0	100	100	1 00
	6A	0	0	0	0	0	0	500	0	010	0	0	100	0	010	0	0	0	0	500	100
	8A	0	100	0	0	0	100	100	0	010	0	0	100	0	010	010	0	0	0	2 00	010
	8C	0	2 00	0	0	100	100	0	0	0	0	0	100	0	0	0	0	0	100	15 0	1 00
	8E	100	1 00	0	010	0	0	100	0	0	0	0	100	0	010	0	0	100	500	10 0	3 00
	8G	0	4 00	100	0	100	010	0	0	0	010	0	500	0	100	0	010	0	2 00	10 0	500
	8I	0	500	0	0	0	0	100	100	0	0	0	100	0	100	0	0	0	5 00	12 0	2 00
Mean		010	732	004	082	020	025	149	005	001	118	004	154	004	101	005	010	024	788	6 21	657

AUGUST

Date	Plot	HICA	LIBO	LIPH	HELI	PYSE	PYVI	SODE	VIAD	CXFO	CXUM	ELGL	ELIN	ORAS	ORPU	EOAR	EOVA	LYTR	VAMY	VAVI	MACA
AUG																					
	0A	010	0	0	2 00	0	0	100	100	0	100	0	100	100	010	100	0	0	500	4 00	500
	0C	0	0	0	2 00	0	0	100	010	0	100	0	100	0	100	0	0	0	0	1 00	100
	0E	0	0	0	010	0	100	0	100	0	100	0	500	0	100	0	0	0	0	2 00	2 00
	0G	0	100	0	0	0	0	100	100	0	100	0	010	0	100	0	0	0	0	500	100
	0I	0	500	0	0	100	100	100	0	010	100	0	100	0	0	0	0	0	0	4 00	1 00
	2I	0	100	0	010	100	0	0	0	0	010	0	100	0	010	0	0	0	100	20 0	2 00
	2G	0	100	0	0	0	0	0	100	0	0	0	010	0	010	0	0	0	1 00	15 0	2 00
	2E	0	100	0	0	100	0	0	100	010	100	0	100	0	010	0	0	0	500	25 0	100
	2C	0	0	0	100	100	0	010	100	0	0	0	100	0	010	0	0	0	500	6 00	1 00
	2A	0	0	0	100	0	0	100	100	0	010	0	100	0	100	010	010	0	1 00	12 0	1 00
	4A	100	0	0	500	0	0	500	0	0	500	010	100	100	100	0	010	0	500	1 00	0
	4C	0	0	0	100	0	0	500	0	100	500	0	010	0	100	0	010	0	100	100	010
	4E	0	0	0	0	0	100	100	010	0	0	0	100	0	100	0	0	0	1 00	15 0	500
	4G	0	0	0	100	0	0	100	0	0	500	0	010	0	010	0	0	0	500	15 0	100
	4I	100	0	0	500	0	0	0	010	0	500	0	100	500	100	0	010	0	500	2 00	0
	6I	0	0	0	100	0	0	1 00	100	0	500	0	100	500	500	0	010	500	3 00	3 00	2 00
	6G	100	0	0	0	0	0	500	100	0	100	010	0	100	100	0	100	0	1 00	15 0	100
	6E	0	1 00	0	0	0	100	100	0	0	0	0	100	0	100	0	0	0	5 00	3 00	500
	6C	0	0	0	0	0	0	500	0	010	0	0	100	010	100	0	010	0	1 00	100	1 00
	6A	0	0	0	0	0	0	1 00	0	010	0	0	100	0	010	0	0	0	1 00	500	500
	8A	0	500	0	0	0	100	010	0	010	0	0	500	0	0	010	0	0	100	8 00	100
	8C	0	3 00	0	0	100	0	0	0	0	0	0	100	0	0	0	0	0	500	10 0	2 00
	8E	0	3 00	0	0	0	0	0	0	0	0	0	500	010	0	0	0	500	3 00	12 0	2 00

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Species Cover % Values By 5x5 m Plots

Date	Plot	HICA	LIBO	LIPH	MELI	PYSE	PYVI	SODE	VIAC	CXFO	CXUM	ELCL	ELIN	ORAS	ORPU	ECAR	EQVA	LYTR	VAMY	VAVI	MACA
	8G	0	3 00	100	0	100	0	0	100	0	010	0	100	010	010	0	010	0	10 0	15 0	1 00
	8I	0	500	0	0	0	0	500	500	0	100	0	100	100	100	0	010	0	5 00	8 00	1 00
Mean		012	475	004	251	024	020	213	081	006	133	001	130	057	31	008	007	040	1 43	7 81	824
SE[illegible]																					
	0A	0	500	0	2 00	0	0	500	100	0	1 00	0	010	010	500	100	010	0	1 00	10 0	0
	0C	0	0	0	3 00	0	0	500	100	0	1 00	0	010	0	100	0	010	0	0	5 00	0
	0E	010	0	0	100	0	100	100	100	0	500	0	010	100	100	0	010	0	0	7 00	0
	0G	0	100	0	0	0	100	010	0	0	500	0	010	0	500	0	0	0	0	4 00	0
	0I	0	1 00	0	0	100	0	010	0	010	0	0	010	0	010	0	0	0	0	4 00	0
	2I	0	1 00	0	0	100	0	0	010	0	100	0	100	0	010	0	0	0	100	25 0	0
	2G	010	1 00	0	0	0	0	0	100	0	010	0	0	0	010	0	0	0	1 00	15 0	0
	2E	0	2 00	0	0	100	0	100	010	0	0	0	010	0	010	0	0	0	2 00	20 0	0
	2C	0	0	0	010	100	0	0	100	0	0	0	010	0	010	0	0	0	1 00	4 00	010
	2A	0	0	0	1 00	0	0	100	010	0	100	0	100	0	100	010	100	0	2 00	8 00	0
	4A	100	0	0	1 00	0	0	500	0	0	1 00	100	010	010	500	0	010	0	1 00	3 00	0
	4C	0	0	0	100	0	0	1 00	0	100	500	0	100	0	100	0	010	0	100	100	0
	4E	0	1 00	0	0	0	100	100	0	0	0	0	100	0	010	0	0	0	1 00	5 00	0
	4G	0	500	0	0	0	100	100	0	0	100	0	010	0	010	0	010	0	100	4 00	0
	4I	010	0	0	010	0	100	100	0	0	100	0	100	0	010	0	0	0	0	3 00	0
	6I	0	0	0	0	0	0	100	100	0	100	0	500	0	100	0	010	100	2 00	00	0
	6G	010	100	0	0	0	0	100	0	0	100	0	100	100	100	0	010	0	500	25 0	0
	6E	0	0	0	0	0	0	100	100	0	0	0	100	0	010	0	010	0	2 00	2 00	0
	6C	0	0	0	0	0	0	500	0	0	0	0	100	0	100	0	0	0	500	100	0
	6A	0	0	0	0	0	100	500	0	100	0	0	010	0	100	0	0	0	100	100	0
	8A	0	1 00	0	0	0	100	100	0	010	0	0	500	0	0	010	0	0	0	5 00	0
	8C	0	00	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0	0	10 0	0
	8E	100	2 00	0	0	0	0	100	100	0	0	0	100	0	0	0	010	100	2 00	20 0	0
	8G	0	4 00	0	0	0	100	0	0	0	0	0	500	0	010	0	010	0	2 00	20 0	0
	8I	0	500	0	0	0	0	100	100	0	0	0	100	0	100	0	010	0	4 00	10 0	0
Mean		010	582	0	285	020	032	189	037	009	264	004	124	009	150	008	009	008	976	8 41	006
OC[illegible]																					
	0A	0	0	0	0	0	100	100	0	0	100	0	010	010	010	0	010	0	100	5 00	0
	0C	0	0	0	010	0	010	010	0	0	010	0	010	0	010	0	0	0	0	10 0	0
	0E	0	0	0	010	0	100	0	010	0	100	0	100	010	010	0	010	0	0	0	0
	0G	0	0	0	0	0	100	010	010	0	010	0	010	0	010	0	0	0	0	0	0
	0I	0	100	0	0	010	010	010	0	0	010	0	010	0	010	0	0	0	0	2 00	0
	2I	0	500	0	0	100	0	0	010	0	010	0	010	0	0	0	0	0	100	25 0	0
	2G	0	100	0	0	0	0	0	010	0	0	0	0	0	010	0	0	0	500	15 0	0
	2E	0	500	0	0	100	0	0	0	0	010	0	010	010	010	0	0	0	500	20 0	0
	2C	0	100	0	0	100	0	010	010	0	0	0	010	0	010	0	010	0	100	8 00	0
	2A	0	0	0	0	0	0	100	010	0	010	0	010	010	010	0	010	0	100	6 00	0
	4A	0	0	0	0	0	0	100	0	0	100	010	010	010	010	0	0	0	100	0	0
	4C	0	0	0	0	0	0	100	0	010	500	0	0	0	010	0	010	0	100	100	0
	4E	0	100	0	0	0	100	0	0	0	0	0	010	0	010	0	0	0	100	5 00	0
	4G	0	500	0	0	0	0	100	0	0	100	0	0	0	010	0	0	0	100	15 0	0
	4I	0	0	0	0	0	0	100	010	0	500	0	100	010	100	0	0	0	0	2 00	0
	6I	0	0	0	0	0	0	100	010	0	1 00	0	0	500	100	0	010	500	2 00	5 00	0
	6G	0	0	0	0	0	010	0	010	0	010	0	010	010	010	0	010	0	1 00	15 0	0
	6E	0	500	0	0	0	0	0	010	0	100	0	010	0	010	0	010	0	500	3 00	0
	6C	0	0	0	0	0	010	100	0	010	100	0	010	0	010	0	0	0	500	500	0
	6A	0	0	0	0	0	0	100	0	010	0	0	010	0	0	0	0	0	00	500	0
	8A	0	500	0	0	0	100	010	0	010	0	0	100	0	0	0	0	0	0	5 00	0
	8C	0	00	0	0	100	0	0	0	0	0	0	010	0	0	0	0	0	0	7 00	0
	8E	0	2 00	0	0	0	100	0	010	0	0	0	010	0	0	0	0	500	2 00	10 0	0
	8G	0	5 00	0	0	100	100	0	010	0	100	0	010	0	010	0	100	0	1 00	7 0	0
	8I	0	0	0	0	0	0	010	100	0	500	0	0	100	100	0	010	0	2 00	15 0	0
Mean		0	425	0	061	020	030	028	009	003	131	000	019	027	022	0	008	840	672	8 44	0

SEADYN Project Mongo-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MAY10														
	0A	35 0	500	30 130	100	510	010	1	6	1	2	1	31 250	11
	0C	42 0	4 000	31 120	020	520	010	1	5	2	3	1	35 670	12
	0E	39 0	2 000	21 020	020	4 010	010	1	5	2	2	1	27 080	11
	0G	40 0	10 000	32 030	030	610	0 0	1	5	3	2	0	42 670	12
	0I	36 0	27 000	10 120	100	010	0 0	1	6	1	1	0	37 230	9
	2I	37 0	25 000	33 050	100	010	0 0	1	9	1	1	0	58 160	12
	2G	39 0	25 000	19 120	010	010	0 0	1	7	1	1	0	44 140	10
	2E	44 0	7 000	30 220	120	010	0 0	1	8	3	1	0	37 350	13
	2C	40 0	15 000	11 230	100	020	0 0	1	8	1	2	0	26 350	12
	2A	40 0	12 000	12 220	130	200	010	1	6	4	2	1	24 550	14
	4A	50 0	3 000	20 410	020	530	010	1	8	2	4	1	23 970	14
	4C	51 0	10 000	4 220	100	510	010	1	6	1	2	1	14 840	11
	4E	44 0	13 000	13 520	210	010	0 0	2	8	3	1	0	26 740	12
	4G	45 0	10 000	40 210	020	110	0 0	1	5	2	2	0	50 340	10
	4I	42 0	0 0	13 210	140	120	010	0	5	5	3	1	13 480	14
	6I	49 0	3 000	31 620	120	510	510	1	6	3	2	2	35 760	14
	6G	43 0	13 000	25 200	120	120	100	1	4	3	3	1	38 540	12
	6E	46 0	15 000	3 500	020	0 0	010	1	7	2	0	1	18 530	11
	6C	45 0	15 000	8 120	130	020	0 0	1	8	4	2	0	23 270	13
	6A	44 0	25 000	4 610	030	0 0	0 0	1	5	3	0	0	29 640	9
	8A	46 0	30 010	7 510	100	010	0 0	2	4	1	1	0	37 630	8
	8C	44 0	25 000	12 620	110	0 0	0 0	1	7	2	0	0	37 730	10
	8E	43 0	15 000	15 210	020	010	100	1	7	2	1	1	30 340	12
	8G	41 0	12 000	25 710	020	020	010	1	8	2	2	1	37 760	14
	8I	45 0	4 000	17 620	110	110	010	1	7	2	2	1	21 850	13
Mean		42 0	12 820	18 842	08000	21980	03240	1 04	6 18	2 24	1 72	56	32 184	11 72
JUN11														
	0A	47 0	1 100	42 000	600	1 010	010	2	8	7	3	1	45 720	19
	0C	48 0	1 000	33 500	700	1 200	0 0	1	4	7	3	0	38 400	15
	0E	46 0	2 000	36 600	4 910	610	0 0	1	7	7	3	0	44 120	18
	0G	48 0	6 000	41 100	1 420	1 100	0 0	1	4	6	3	0	49 620	16
	0I	46 0	20 000	12 600	1 230	200	0 0	1	6	6	2	0	34 030	15
	2I	47 0	20 000	35 900	3 920	110	0 0	1	9	6	3	0	59 930	20
	2G	48 0	15 000	34 100	4 300	010	0 0	1	7	5	1	0	53 410	14
	2E	46 0	5 000	50 600	1 820	020	0 0	1	8	7	2	0	57 440	18
	2C	47 0	10 000	15 110	5 240	110	0 0	1	8	8	2	0	30 460	19
	2A	48 0	5 000	24 600	3 910	220	010	1	6	7	4	1	33 740	19
	4A	52 0	2 000	28 600	1 210	310	0 0	1	5	5	4	0	32 120	15
	4C	52 0	7 000	11 610	1 200	1 210	010	1	7	4	4	1	21 030	17
	4E	53 0	16 000	11 610	420	020	0 0	2	8	6	2	0	28 050	18
	4G	51 0	10 000	46 000	440	610	010	1	4	8	3	1	57 060	17
	4I	50 0	0 0	6 710	460	620	0 0	0	6	10	4	0	7 790	20
	6I	50 0	1 000	19 010	1 930	300	510	1	7	5	3	2	22 750	22
	6G	51 0	10 000	27 000	610	620	010	1	4	7	4	1	38 240	17
	6E	53 0	12 000	7 100	570	020	010	1	7	6	2	1	19 700	18
	6C	51 0	10 000	9 700	650	020	0 0	1	6	7	2	0	20 370	16
	6A	49 0	15 000	5 110	260	030	0 0	1	7	6	3	0	20 400	19
	8A	46 0	20 000	7 600	720	110	010	1	5	5	2	1	28 440	14
	8C	48 0	13 000	19 310	3 210	010	0 0	1	9	5	1	0	35 530	16
	8E	46 0	15 000	20 510	4 260	110	100	1	6	10	2	1	39 980	22
	8G	45 0	8 000	14 600	750	030	010	1	8	8	2	1	23 390	21
	8I	46 0	4 000	19 530	2 830	130	010	1	8	8	4	1	26 500	22
Mean		48 7	5 1240	23 204	1 9422	34960	02800	1 04	6 56	7 12	2 72	48	34 649	17 92
[illegible]														
	0A	61 0	2 100	40 000	2 340	1 110	200	2	6	11	4	2	45 750	25
	0C	60 0	3 000	36 110	2 220	210	0 0	1	6	7	3	0	41 540	17
	0E	57 0	3 000	30 700	4 420	620	0 0	1	7	9	4	0	38 740	21
	0G	60 0	8 000	39 100	1 420	1 000	0 0	1	6	7	3	0	49 520	18
	0I	56 0	17 000	14 500	740	120	0 0	1	7	7	3	0	32 380	18
	2I	57 0	15 000	40 110	3 420	610	0 0	1	9	9	3	0	59 140	22
	2G	57 0	20 000	36 100	3 320	010	0 0	1	7	7	1	0	59 430	16
	2E	58 0	7 000	34 000	1 850	110	0 0	1	9	10	2	0	42 980	22
	2C	59 0	13 000	16 300	3 420	110	0 0	1	10	8	2	0	32 830	21
	2A	59 0	13 000	24 100	1 430	120	110	1	7	9	3	2	38 750	22
	4A	63 0	3 000	26 500	2 210	1 210	010	1	6	7	4	1	33 030	19
	4C	63 0	10 000	11 200	1 040	1 020	010	1	6	6	4	1	23 270	20
	4E	62 0	11 000	29 700	1 700	200	0 0	2	6	9	2	0	42 600	21
	4G	62 0	10 000	37 000	2 610	200	010	1	4	9	2	1	49 820	17
	4I	60 0	0 0	13 500	1 040	610	0 0	0	6	10	3	0	15 150	19
	6I	58 0	1 000	35 000	4 010	510	500	1	6	8	3	1	41 120	19
	6G	58 0	7 300	33 300	1 510	200	010	1	6	8	2	1	42 020	18
	6E	56 0	10 000	10 000	1 520	110	0 0	1	6	6	2	0	21 630	17
	6C	58 0	10 000	25 800	2 310	110	0 0	1	7	7	2	0	38 220	17
	6A	56 0	20 000	11 510	910	120	0 0	1	4	6	3	0	32 540	14
	8A	55 0	20 000	15 100	3 220	120	010	1	4	5	3	1	38 450	14
	8C	56 0	15 000	27 400	7 210	100	0 0	1	8	6	1	0	49 710	16
	8E	54 0	15 000	23 600	8 810	110	100	1	8	6	2	1	47 620	20
	8G	55 0	7 000	22 000	2 820	610	010	1	8	9	3	1	32 440	22
	8I	57 0	5 100	27 800	3 000	200	0 0	2	6	7	2	0	36 100	19
Mean		58 4	9 6080	26 817	2 7760	38200	03680	1 08	6 64	7 84	2 60	48	35 832	12 88
AUG09														
	0A	57 0	1 100	31 500	2 530	310	100	2	6	11	4	1	35 540	24
	0C	56 0	2 000	33 600	4 920	300	0 0	1	5	9	3	0	40 820	18
	0E	56 0	2 000	34 200	5 920	700	0 0	1	6	9	3	0	42 820	19
	0G	56 0	7 000	36 700	1 610	210	0 0	1	5	6	3	0	45 520	17
	0I	56 0	25 000	27 000	1 400	210	0 0	1	7	5	3	0	53 610	18
	2I	56 0	17 000	37 800	3 120	120	0 0	1	8	10	3	0	58 040	22
	2G	56 0	20 000	43 300	3 800	020	0 0	1	8	6	2	0	67 120	17
	2E	58 0	4 000	61 100	1 910	220	0 0	1	8	7	4	0	67 230	20
	2C	56 0	17 000	26 500	3 610	110	0 0	1	7	9	2	0	47 220	19
	2A	57 0	20 000	26 600	2 010	210	020	1	6	9	3	2	49 840	21
	4A	58 0	3 000	29 100	3 310	810	010	1	6	7	5	1	36 230	20
	4C	58 0	10 000	13 200	1 310	710	010	1	8	8	4	1	25 230	20
	4E	60 0	10 500	33 600	2 120	200	0 0	2	7	10	2	0	46 420	21
	4G	59 0	14 000	61 500	1 520	520	0 0	1	4	9	3	0	67 540	17
	4I	58 0	0 0	12 800	2 110	1 200	010	0	7	9	4	1	15 820	21
	6I	58 0	2 000	37 500	7 000	1 600	510	1	7	10	4	2	48 610	24
	6G	58 0	9 000	39 510	3 510	310	100	1	6	11	4	1	52 430	23
	6E	56 0	17 000	20 000	1 820	200	0 0	1	7	8	2	0	39 020	18
	6C	57 0	18 000	20 600	3 220	220	010	1	7	6	4	1	62 050	21
	6A	57 0	28 000	14 100	2 710	120	0 0	1	7	7	3	0	41 820	16
	8A	55 0	35 000	18 100	5 210	510	010	1	6	5	2	1	58 630	15
	8C	56 0	23 000	32 100	7 100	100	0 0	1	9	4	1	0	62 300	15
	8E	58 0	11 000	34 800	11 020	610	500	1	9	6	2	1	57 840	21

SEADYN Project Nonda-Slave Lake Stand 2
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

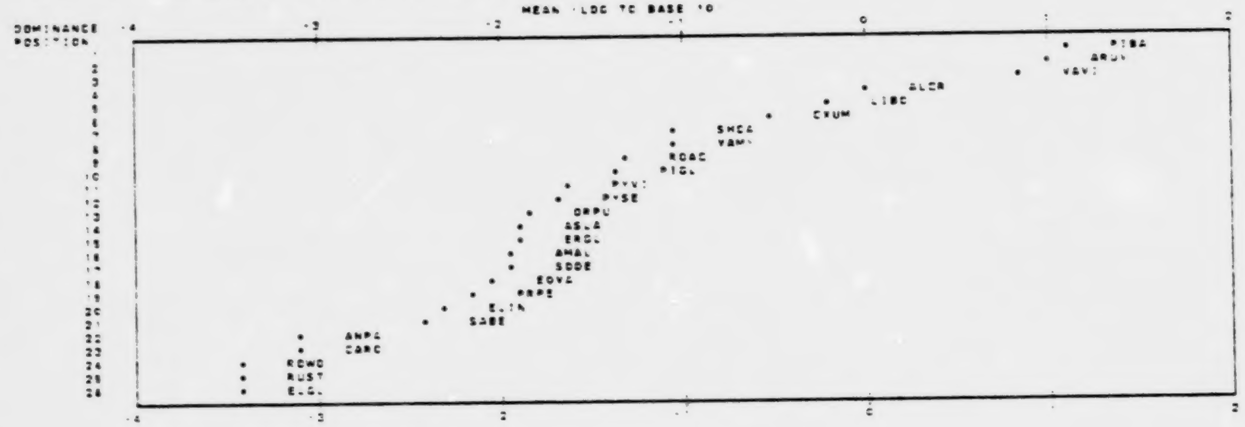
Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
	80	55 0	15 000	50 500	8 010	120	010	1	9	10	4	.	72 850	25
	81	58 0	4 000	28 500	5 300	400	010	1	8	9	4	1	38 210	22
Mean		56 9	12 484	21 752	3 3244	39800	05200	1 24	6 92	6 18	3 3	58	48 581	5 80
SE[illegible]														
	0A	45 0	100	44 500	4 410	1 520	110	2	7	8	4	2	51 640	24
	0C	47 0	5 000	41 010	4 620	1 110	010	1	8	7	3	1	51 750	7
	0E	47 0	3 000	37 200	3 820	710	010	1	8	11	4	1	42 740	22
	0G	48 0	10 000	34 710	860	1 010	0 0	1	8	8	3	0	46 580	18
	0I	48 0	25 000	28 100	330	020	0 0	1	7	8	3	0	53 480	17
	2[illegible]	48 0	25 000	42 110	1 240	210	0 0	1	8	8	3	0	68 560	21
	22	48 0	20 000	43 210	2 330	020	0 0	1	9	7	3	0	65 560	19
	28	48 0	12 000	47 500	1 790	020	0 0	1	9	9	2	0	61 270	21
	2C	47 0	12 000	28 500	2 940	020	0 0	1	8	10	2	0	61 460	21
	24	47 0	12 000	25 100	2 240	300	110	1	7	8	3	2	40 750	21
	44	48 0	5 000	28 000	2 830	1 620	010	1	8	9	5	1	37 480	22
	4C	48 0	7 000	7 200	1 800	600	010	1	7	9	4	1	16 810	18
	4E	48 0	4 000	23 000	1 010	110	0 0	2	8	7	3	0	28 120	17
	40	48 0	15 300	40 700	1 100	120	010	1	8	7	3	1	56 920	18
	4[illegible]	48 0	0 0	12 000	1 740	210	0 0	2	8	8	3	0	3 950	15
	6[illegible]	49 0	300	31 000	3 800	700	110	1	8	8	3	3	38 710	8
	6C	49 0	12 300	38 100	3 310	400	010	1	8	7	4	1	50 820	18
	6E	48 0	12 300	16 100	800	110	010	1	8	8	3		27 120	15
	6[illegible]	47 0	5 300	12 200	910	200	0 0	1	8	8	3	0	18 210	15
	64	48 0	17 000	7 200	910	210	0 0	1	8	8	3	0	25 220	15
	84	48 0	20 000	15 100	1 210	510	010	1	9	4	2	1	37 820	13
	8C	48 0	25 000	18 600	200	500	0 0	1	8	3		0	45 500	3
	8E	46 0	3 000	34 500	1 210	100	110	1	9	9		2	38 920	22
	8C	48 0	7 000	34 500	900	510	010	1	8	5	3	1	42 920	17
	8	48 0	3 000	28 200	1 500	200	010	1	8	6	3	1	30 910	18
Mean		47 2	10 404	28 502	1 8780	45000	02150	1 04	8 72	7 04	2 72	72	41 255	8 24
[illegible]														
	0A	44 0	510	35 210	210	130	010	2	8	4	4		35 270	17
	0C	44 0	3 000	40 120	630	030	0 0	.	5	6	3	0	42 780	4
	0E	42 0	600	36 110	320	220	010	.	5	6	4	.	37 170	7
	0G	44 0	3 000	30 320	720	120	0 0	1	3	5	3	0	33 860	3
	0I	44 0	17 300	6 630	130	030	0 0	.	7	4	3	0	33 790	15
	2[illegible]	46 0	15 000	30 520	240	020	0 0	.	7	5	3	0	45 880	16
	22	45 0	20 000	24 800	620	010	0 0		7	4		0	45 430	7
	28	46 0	7 000	37 120	410	040	0 0		8	9	4	0	44 570	18
	2C	44 0	10 000	12 720	320	020	010	1	9	8	3		33 090	9
	24	44 0	7 000	11 310	220	040	010	1	8	9	4	.	18 680	7
	44	42 0	3 000	30 220	300	140	0 0	1	9	2	9	0	32 680	4
	4C	44 0	4 000	3 620	300	520	010	.	7	3	3	.	8 690	19
	4E	45 0	9 000	13 300	200	020	0 0	2	8	2	3	0	22 920	2
	4C	45 0	10 000	45 620	420	110	0 0	.	8	8	3	0	56 150	8
	4[illegible]	42 0	0 0	12 110	720	710	0 0	3	8	8	8	3	13 540	4
	6[illegible]	45 0	3 000	32 820	1 240	1 600	510	.	7	7	3	2	37 880	22
	6C	46 0	9 000	31 020	650	040	310	.	8	7	4		40 720	18
	6E	46 0	15 000	9 510	540	120	010	.	7	8	3	.	25 160	7
	6C	46 0	10 060	10 100	1 120	130	0 0	.	8	8	4	0	21 250	15
	64	45 0	20 000	8 510	210	020	0 0	1	8	3	3	0	28 740	11
	84	45 0	30 010	9 010	820	110	0 0	2	8	4	3	0	29 750	2
	8C	46 0	25 300	11 710	200	010	0 0	.	7	3	.	0	35 920	.
	8E	45 0	12 000	21 220	440	010	500		9	8	.		35 710	20
	8C	44 0	7 300	35 620	720	120	150	.	10	9	2		42 580	20
	8[illegible]	45 0	7 000	28 130	250	700	010	.	7	8	2	.	27 290	23
Mean		44 6	9 6008	22 584	5 1880	20080	04760	94	6 38	4 92	2 58	48	33 138	5 72

Mongo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 6
Descriptive Statistics for Each Species Variable and the Stand
FILE S282V CREATION DATE = 04/17/83 Stand 2 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m
SUBFILE MAIC

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus banksiana	PIBA	25	96.000	12.78000	9.01397	1.80279	0.14106	0.0	30.00000
Picea glauca	PIGL	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	1.00000
Populus tremuloides	POTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alnus crispa	ALCR	25	76.000	0.99240	1.03398	0.20680	0.20838	0.0	3.00000
Amelanchier alnifolia	AMAL	25	40.000	0.01120	0.02712	0.00543	0.48445	0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	96.000	10.08400	9.53466	1.90693	0.18910	0.0	30.00000
Prunus pensylvanica	PRPE	25	36.000	0.00720	0.01990	0.00398	0.55277	0.0	0.10000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	0.04800	0.04500	0.00900	0.18565	0.01000	0.10000
Rosa woodsii	ROWO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rubus strigosus	RUST	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Salix bebbiana	SABE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Shepherdia canadensis	SHCA	25	32.000	0.09000	0.39448	0.07877	0.88634	0.0	2.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone patens	ANPA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster laevis	ASLA	25	52.000	0.01240	0.02681	0.00536	0.43249	0.0	0.10000
Campanula rotundifolia	CARO	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Erigeron glabellus	ERGL	25	48.000	0.01200	0.02693	0.00539	0.44878	0.0	0.10000
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	48.000	0.59200	1.06102	0.21220	0.35845	0.0	4.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	28.000	0.02080	0.04051	0.00810	0.38951	0.0	0.10000
Pyrola virens	PYVI	25	44.000	0.02240	0.03982	0.00796	0.35554	0.0	0.10000
Solidago decumbens	SODE	25	36.000	0.01080	0.02722	0.00544	0.50410	0.0	0.10000
Viola adunca	VIAD	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex foenea	CXFO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex umbellata	CXUM	25	48.000	0.30000	0.79844	0.15969	0.53229	0.0	4.00000
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	48.000	0.00480	0.00510	0.00102	0.21248	0.0	0.01000
Oryzopsis asperifolia	ORAS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oryzopsis pungens	ORPU	25	72.000	0.01440	0.02615	0.00523	0.36324	0.0	0.10000
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum variegatum	EQVA	25	48.000	0.00840	0.01972	0.00394	0.46960	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	76.000	0.08640	0.13281	0.02656	0.30767	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	100.000	7.02800	5.52944	1.10589	0.15764	1.00000	20.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 26 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3052
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.3893 (NATURAL LOGARITHMS)

26 OF THE 42 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 32.1704

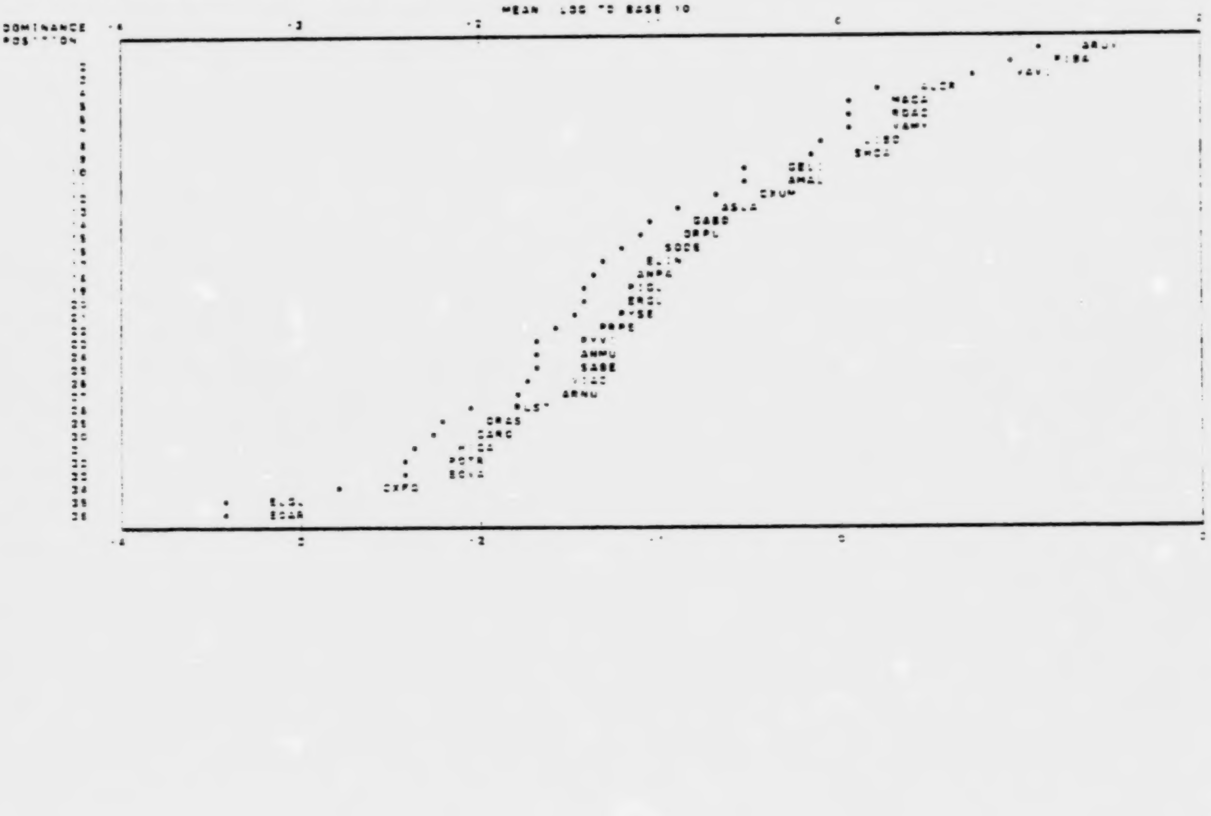


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S232V CREATION DATE = 04/17/83 Stand 2 62 y old Jack Pine 1982 Vascular Cover % Data 5x5 m
SUBFILE JN

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus banksiana	PIBA	25	88.000	9.08000	6.38305	1.27661	0.14060	0.0	20.00000
Picea glauca	PIGL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Populus tremuloides	POTR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Alnus crispa	ALCR	25	76.000	1.60040	1.57411	0.31482	0.19672	0.0	5.00000
Amelanchier alnifolia	AMAL	25	72.000	0.29240	0.44218	0.08844	0.30245	0.0	2.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	12.24000	12.28152	2.45630	0.20068	0.50000	40.00000
Prunus pensylvanica	PRPE	25	44.000	0.02600	0.04262	0.00852	0.32788	0.0	0.10000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	1.14400	0.76490	0.15298	0.13372	0.10000	3.00000
Rosa woodsii	ROWO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus strigosus	RUST	25	16.000	0.00840	0.02763	0.00553	0.65806	0.0	0.10000
Salix bebbiana	SABE	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Shepherdia canadensis	SHCA	25	24.000	0.68400	2.95504	0.59101	0.87472	0.0	15.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	60.000	0.02040	0.03576	0.00715	0.35062	0.0	0.10000
Anemone patens	ANPA	25	60.000	0.04200	0.04848	0.00970	0.23084	0.0	0.10000
Aralia nudicaulis	ARNU	25	20.000	0.01640	0.03729	0.00746	0.45478	0.0	0.10000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster laevis	ASLA	25	84.000	0.13400	0.16852	0.03370	0.25152	0.0	0.50000
Campanula rotundifolia	CARO	25	56.000	0.00560	0.00507	0.00101	0.18094	0.0	0.01000
Erigeron glabellus	ERGL	25	52.000	0.03760	0.04790	0.00958	0.25476	0.0	0.10000
Galium boreale	GABO	25	92.000	0.09160	0.13088	0.02618	0.28577	0.0	0.50000
Geocaulon lividum	GELI	25	40.000	0.28240	0.55135	0.11027	0.40448	0.0	2.00000
Hieracium canadense	HICA	25	8.000	0.00440	0.02002	0.00400	0.90925	0.0	0.10000
Linnaea borealis	LIBO	25	48.000	0.75800	1.27878	0.25578	0.32488	0.0	4.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	16.000	0.03200	0.10296	0.02059	0.64348	0.0	0.50000
Pyrola virens	PYVI	25	32.000	0.02120	0.04034	0.00807	0.38061	0.0	0.10000
Solidago decumbens	SODE	25	44.000	0.06160	0.13777	0.02755	0.44727	0.0	0.50000
Viola adunca	VIAD	25	48.000	0.01920	0.03624	0.00725	0.37748	0.0	0.10000
Carex foenea	CXFO	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Carex umbellata	CXUM	25	80.000	0.01380	0.01555	0.00311	0.29546	0.0	0.05000
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	64.000	0.04800	0.04717	0.00943	0.19654	0.0	0.10000
Oryzopsis asperifolia	ORAS	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Oryzopsis pungens	ORPU	25	84.000	0.08000	0.13401	0.02680	0.33502	0.0	0.50000
Equisetum arvense	EQAR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Equisetum variegatum	EQVA	25	36.000	0.00360	0.00490	0.00098	0.27217	0.0	0.01000
Vaccinium myrtilloides	VAMY	25	76.000	1.13600	1.38509	0.27702	0.24379	0.0	5.00000
Vaccinium vitis-idaea	VAVI	25	96.000	5.28400	4.98453	0.99691	0.18862	0.0	20.00000
Maianthemum canadense	MACA	25	96.000	1.16440	1.24857	0.24971	0.21448	0.0	4.00000

BASED ON 36 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2234
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.8864 NATURAL LOGARITHMS

36 OF THE 43 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 34.5248

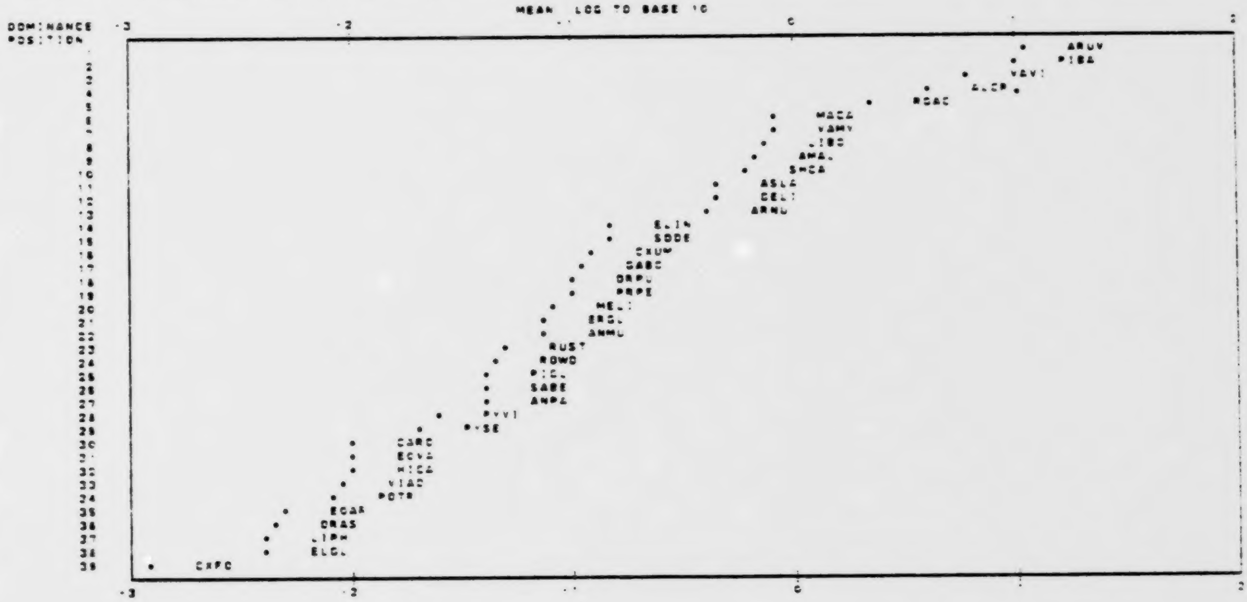


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey — 04/17/83 — PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine 1982 Vascular Cover % Data (5x5 m
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus banksiana	PIBA	25	96.000	9.76000	6.08488	1.21694	0.12469	0.0	20.00000
Picea glauca	PIGL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Populus tremuloides	POTR	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Alnus crispa	ALCR	25	76.000	3.98400	4.09498	0.81900	0.20557	0.0	15.00000
Amelanchier alnifolia	AMAL	25	80.000	0.65640	1.02609	0.20522	0.31264	0.0	5.00000
Arctostaphylos uva-ursi	ARUV	25	92.000	11.48400	11.14801	2.22960	0.19449	0.0	35.00000
Prunus pensylvanica	PRPE	25	52.000	0.10000	0.15811	0.03162	0.31623	0.0	0.50000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	2.18000	1.30480	0.26096	0.12081	0.50000	5.00000
Rosa woodsii	ROWO	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Rubus strigosus	RUST	25	12.000	0.04800	0.20025	0.04005	0.83437	0.0	1.00000
Salix bebbiana	SABE	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Shepherdia canadensis	SHCA	25	36.000	0.58480	1.99698	0.39940	0.68298	0.0	10.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	60.000	0.07440	0.10046	0.02009	0.27006	0.0	0.50000
Anemone patens	ANPA	25	40.000	0.04000	0.05000	0.01000	0.25000	0.0	0.10000
Aralia nudicaulis	ARNU	25	16.000	0.42000	1.15181	0.23036	0.54848	0.0	4.00000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster laevis	ASLA	25	84.000	0.46000	0.44535	0.08907	0.19363	0.0	2.00000
Campanula rotundifolia	CARO	25	64.000	0.01000	0.01936	0.00387	0.38730	0.0	0.10000
Erigeron glabellus	ERGL	25	64.000	0.07680	0.10057	0.02011	0.26190	0.0	0.50000
Galium boreale	GABO	25	88.000	0.10760	0.21129	0.04226	0.39273	0.0	1.00000
Geocaulon lividum	GELI	25	48.000	0.43240	0.78335	0.15667	0.36695	0.0	3.00000
Hieracium canadense	HICA	25	24.000	0.00960	0.02746	0.00549	0.57206	0.0	0.10000
Linnaea borealis	LIBO	25	52.000	0.73200	1.15712	0.23142	0.31615	0.0	4.00000
Lilium philadelphicum	LIPH	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Melampyrum lineare	MELI	25	28.000	0.08160	0.23578	0.04716	0.57792	0.0	1.00000
Pyrola secunda	PYSE	25	24.000	0.02040	0.04067	0.00813	0.39872	0.0	0.10000
Pyrola virens	PYVI	25	32.000	0.02480	0.04322	0.00864	0.34852	0.0	0.10000
Solidago decumbens	SODE	25	76.000	0.14880	0.18447	0.03689	0.24794	0.0	0.50000
Viola adunca	VIAD	25	16.000	0.00880	0.02759	0.00552	0.62696	0.0	0.10000
Carex foenea	CXFO	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Carex umbellata	CXUM	25	52.000	0.11800	0.24515	0.04903	0.41551	0.0	1.00000
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	84.000	0.15360	0.18150	0.03630	0.23632	0.0	0.50000
Oryzopsis asperifolia	ORAS	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Oryzopsis pungens	ORPL	25	96.000	0.10080	0.15642	0.03128	0.31035	0.0	0.50000
Equisetum arvense	EQAR	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Equisetum variegatum	EQVA	25	28.000	0.01000	0.02739	0.00548	0.54772	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	72.000	0.79600	1.12636	0.22528	0.28301	0.0	5.00000
Vaccinium vitis-idaea	VAVI	25	100.000	5.20800	5.78986	1.15797	0.18653	0.10000	20.00000
Maianthemum canadense	MACA	25	96.000	0.85680	0.88241	0.17648	0.20598	0.0	3.00000

BASED ON 39 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1828
SHANNON-WEAVER INDEX OF DIVERSITY H' = 2.0856 (NATURAL LOGARITHMS)

39 OF THE 43 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 38.7980

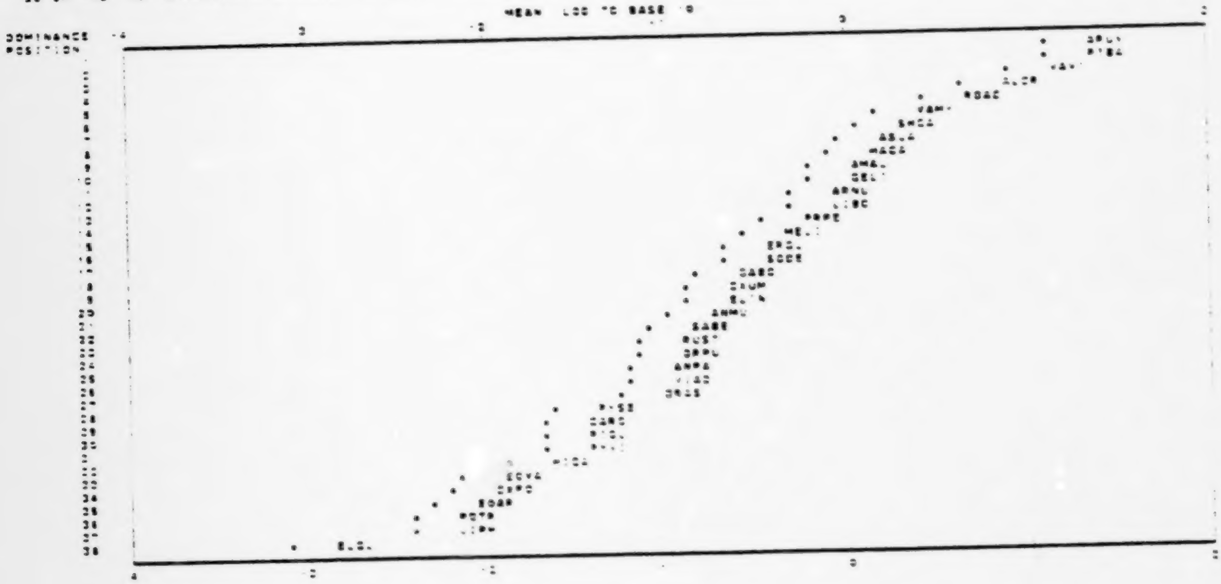


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand 1982 Vascular Cover % Data Sub =
FILE S282V CREATION DATE = 04/17/83 Stand 2 62 y old Jack Pine
SUBFILE AU09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Pinus banksiana	PIBA	25	88.000	12.44000	9.24884	1.84960	0.14867	-0.0	35.00000
Picea glauca	PIGL	25	4.000	0.02000	0.10000	0.02000	1.00000	-0.0	0.50000
Populus tremuloides	POTR	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Alnus crispa	ALCR	25	68.000	4.48000	4.60054	0.92011	0.20820	-0.0	15.00000
Amelanchier alnifolia	AMAL	25	84.000	0.63640	0.88186	0.17638	0.27715	-0.0	4.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	12.76000	11.05019	2.21004	0.17324	0.50000	35.00000
Prunus pensylvanica	PRPE	25	64.000	0.32000	0.36742	0.07348	0.22964	-0.0	[illegible]
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Rosa acicularis	ROAC	25	100.000	2.64000	1.03602	0.20720	0.07843	1.00000	4.00000
Rosa woodsii	ROWO	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Rubus strigosus	RUST	25	20.000	0.07200	0.21894	0.04379	0.60815	-0.0	1.00000
Salix bebbiana	SABE	25	4.000	0.08000	0.40000	0.08000	1.00000	-0.0	2.00000
Shepherdia canadensis	SHCA	25	24.000	1.08800	4.98718	0.99744	0.91676	-0.0	25.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Anemone multifida	ANMU	25	76.000	0.10440	0.12708	0.02542	0.24346	-0.0	0.50000
Anemone patens	ANPA	25	40.000	0.06160	0.19953	0.03991	0.64784	-0.0	1.00000
Aralia nudicaulis	ARNU	25	20.000	0.48000	1.28347	0.25669	0.53448	-0.0	5.00000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Aster laevis	ASLA	25	88.000	0.88600	0.73046	0.14610	0.16482	-0.0	3.00000
Campanula rotundifolia	CARO	25	68.000	0.02120	0.03539	0.00708	0.33390	-0.0	0.10000
Erigeron glabellus	ERGL	25	72.000	0.21600	0.22113	0.04423	0.20475	-0.0	0.50000
Galium boreale	GABO	25	80.000	0.14080	0.21933	0.04387	0.31158	-0.0	1.00000
Geocaulon lividum	GELI	25	48.000	0.58880	1.13840	0.22768	0.38669	-0.0	4.00000
Hieracium canadense	HICA	25	16.000	0.01240	0.03304	0.00662	0.53348	-0.0	0.10000
Linnaea borealis	LIBO	25	44.000	0.47600	0.88161	0.17632	0.41244	-0.0	3.00000
Lilium philadelphicum	LIPH	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Melampyrum lineare	MELI	25	44.000	0.28080	0.70267	0.14053	0.53866	-0.0	3.00000
Pyrola secunda	PYSE	25	24.000	0.02400	0.04359	0.00872	0.36334	-0.0	0.10000
Pyrola virens	PYVI	25	20.000	0.02000	0.04082	0.00816	0.40825	-0.0	0.10000
Solidago decumbens	SODE	25	64.000	0.21280	0.30263	0.06053	0.28443	-0.0	1.00000
Viola adunca	VIAD	25	56.000	0.08120	0.10341	0.02068	0.22799	-0.0	0.50000
Carex foenea	CAFO	25	24.000	0.00600	0.02000	0.00400	0.66667	-0.0	0.10000
Carex umbellata	CAUM	25	64.000	0.12320	0.11222	0.02244	0.28862	-0.0	0.50000
Elymus glaucus	ELGL	25	8.000	0.00080	0.00277	0.00055	0.69222	-0.0	0.01000
Elymus innovatus	ELIN	25	88.000	0.12960	0.14441	0.02888	0.22385	-0.0	0.50000
Oryzopsis asperifolia	ORAS	25	36.000	0.05720	0.13822	0.02764	0.44228	-0.0	0.50000
Oryzopsis pungens	ORPU	25	64.000	0.07120	0.10084	0.02017	0.28327	-0.0	0.50000
Equisetum arvense	EQAR	25	12.000	0.00480	0.02002	0.00400	0.83427	-0.0	0.10000
Equisetum variegatum	EQVA	25	36.000	0.00720	0.01990	0.00398	0.55277	-0.0	0.10000
Vaccinium myrtilloides	VAMY	25	84.000	1.43200	2.27774	0.45555	0.31813	-0.0	[illegible]
Vaccinium vitis-idaea	VAVI	25	100.000	7.80800	7.10164	1.42033	0.18191	0.10000	25.00000
Maianthemum canadense	MACA	25	92.000	0.82440	0.76555	0.15313	0.18575	-0.0	1.00000

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1744
SHANNON-WEAVER INDEX OF DIVERSITY H' = 2.18 NATURAL LOGARITHMS

38 OF THE 43 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 44.5504

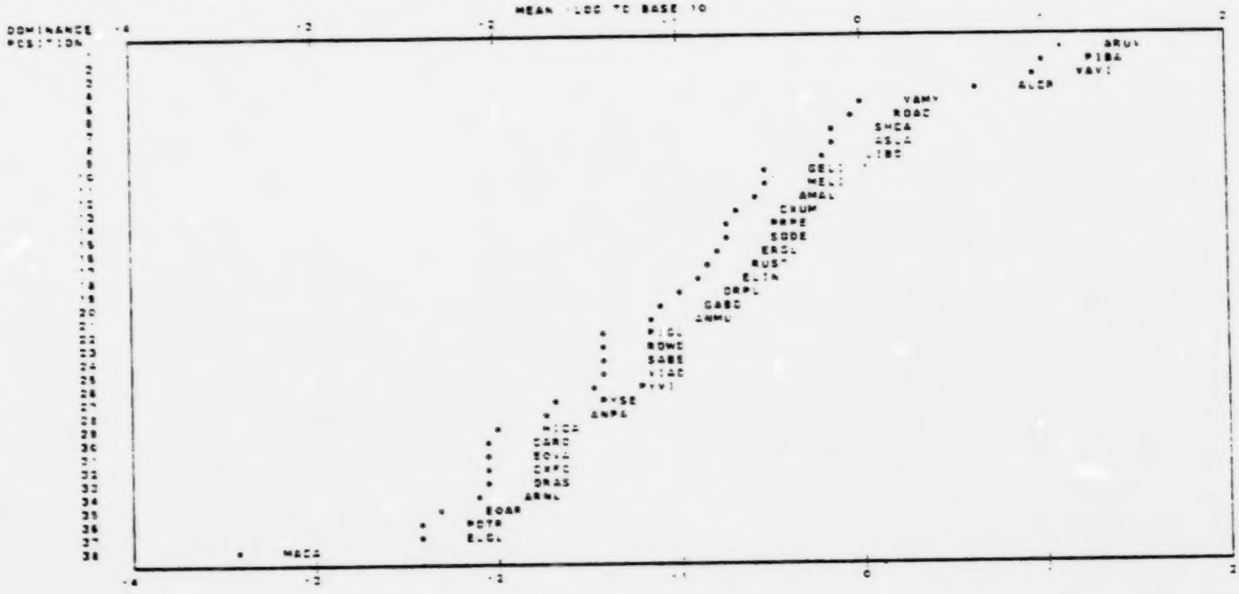


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data 5x5 m
SUBFILE SET1

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus banksiana	PIBA	25	56.000	10.36000	7.88895	1.57779	0.15423	0.0	25.00000
Picea glauca	PIGL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Populus tremuloides	POTR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Alnus crispa	ALCR	25	80.000	4.12840	4.72109	0.94422	0.22871	0.0	15.00000
Amelanchier alnifolia	AMAL	25	68.000	0.27240	0.36658	0.07332	0.26914	0.0	1.00000
Arctostaphylos uva-ursi	ARUV	25	100.000	12.16000	11.26344	2.25269	0.18556	0.50000	35.00000
Prunus pensylvanica	PRPE	25	44.000	0.15240	0.31323	0.06265	0.32560	0.0	1.00000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	56.000	0.88000	0.50580	0.10116	0.11495	0.0	2.00000
Rosa woodsii	ROWO	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Rubus strigosus	RUST	25	20.000	0.14800	0.44358	0.08872	0.59944	0.0	2.00000
Salix bebbiana	SABE	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Shepherdia canadensis	SHCA	25	28.000	0.68040	2.40595	0.48119	0.70722	0.0	12.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	76.000	0.06680	0.10189	0.02038	0.30505	0.0	0.50000
Anemone patens	ANPA	25	40.000	0.01840	0.03659	0.00732	0.39774	0.0	0.10000
Aralia nudicaulis	ARNU	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster laevis	ASLA	25	88.000	0.65600	0.67025	0.13405	0.20434	0.0	3.00000
Campanula rotundifolia	CARO	25	56.000	0.00920	0.01956	0.00391	0.42526	0.0	0.10000
Erigeron glabellus	ERGL	25	68.000	0.16080	0.24612	0.04922	0.30612	0.0	1.00000
Galium boreale	GABO	25	84.000	0.08200	0.09840	0.01968	0.24001	0.0	0.50000
Geocaulon lividum	GELI	25	44.000	0.30000	0.58808	0.11762	0.39205	0.0	2.00000
Hieracium canadense	HICA	25	24.000	0.00960	0.02745	0.00549	0.57206	0.0	0.10000
Linnaea borealis	LIBO	25	56.000	0.59200	0.93582	0.18716	0.31615	0.0	4.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	32.000	0.28880	0.73414	0.14683	0.50841	0.0	3.00000
Pyrola secunda	PYSE	25	20.000	0.02000	0.04082	0.00816	0.40825	0.0	0.10000
Pyrola virens	PYVI	25	32.000	0.03200	0.04761	0.00952	0.29756	0.0	0.10000
Solidago decumbens	SODE	25	80.000	0.18880	0.24825	0.04965	0.26298	0.0	1.00000
Viola adunca	VIAD	25	48.000	0.03720	0.04418	0.00884	0.23901	0.0	0.10000
Carex foenea	CXFO	25	16.000	0.00880	0.02759	0.00552	0.62696	0.0	0.10000
Carex umbellata	CXUM	25	52.000	0.20440	0.33946	0.06789	0.33215	0.0	1.00000
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	96.000	0.12400	0.17280	0.03456	0.27870	0.0	0.50000
Oryzopsis asperifolia	ORAS	25	16.000	0.00880	0.02759	0.00552	0.62698	0.0	0.10000
Oryzopsis pungens	ORPU	25	88.000	0.10000	0.15692	0.03138	0.31385	0.0	0.50000
Equisetum arvense	EQAR	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Equisetum variegatum	EQVA	25	52.000	0.00880	0.01965	0.00393	0.44652	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	72.000	0.97600	1.14874	0.22995	0.23560	0.0	4.00000
Vaccinium vitis-idaea	VAVI	25	100.000	8.41200	7.85543	1.57109	0.18677	0.10000	25.00000
Maianthemum canadense	MACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2033
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.9562 (NATURAL LOGARITHMS)

38 OF THE 43 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 41.2472

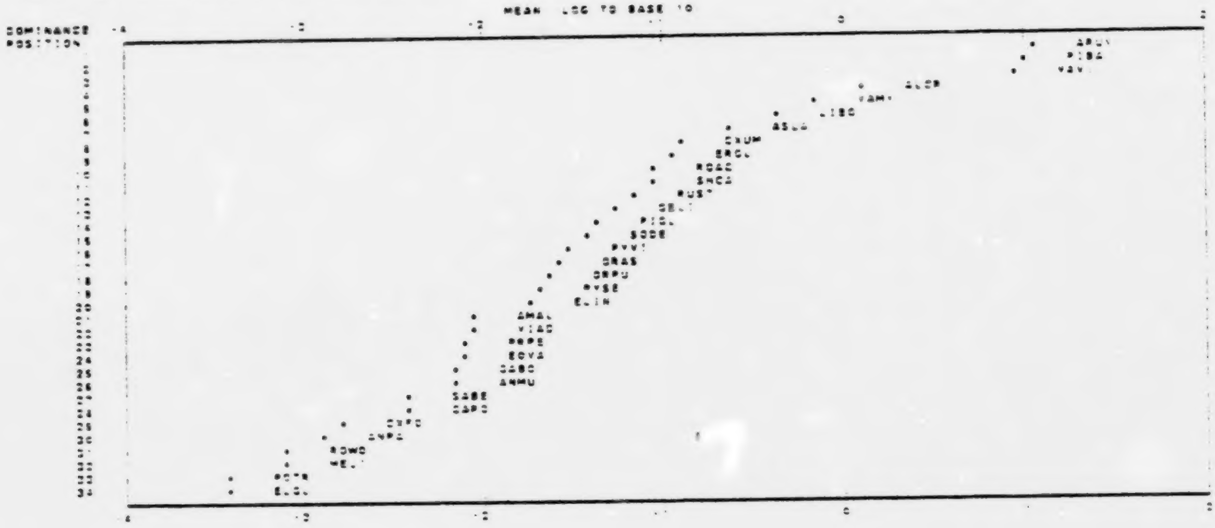


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey   04/17/83   PAGE
Descriptive Statistics for Each Species Variable and the Stand
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data 5x5 m
SUBFILE OCTO

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinus banksiana	PIBA	25	96.000	9.76000	7.98452	1.59690	0.16362	0.0	30.00000
Picea glauca	PIGL	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	1.00000
Populus tremuloides	POTR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Alnus crispa	ALCR	25	76.000	1.22480	1.26874	0.25375	0.19154	0.0	3.00000
Amelanchier alnifolia	AMAL	25	52.000	0.00880	0.01985	0.00383	0.44652	0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	100.000	11.38000	11.44214	2.28843	0.20109	0.50000	30.00000
Prunus pensylvanica	PRPE	25	40.000	0.00760	0.01985	0.00397	0.52235	0.0	0.10000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	0.09240	0.13033	0.02607	0.28210	0.01000	0.50000
Rosa woodsii	ROWO	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Rubus strigosus	RUST	25	20.000	0.05840	0.21920	0.04384	0.64093	0.0	1.00000
Salix bebbiana	SABE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Shepherdia canadensis	SHCA	25	24.000	0.08820	0.39903	0.07981	0.89464	0.0	2.00000
Symphoricarpos albus	SYAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	32.000	0.00680	0.01994	0.00399	0.58652	0.0	0.10000
Anemone patens	ANPA	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster laevis	ASLA	25	88.000	0.24000	0.28577	0.05715	0.23814	0.0	1.00000
Campanula rotundifolia	CARO	25	36.000	0.00360	0.00450	0.00090	0.27217	0.0	0.01000
Erigeron glabellus	ERGL	25	68.000	0.10880	0.15488	0.03098	0.28435	0.0	0.50000
Galium boreale	GABO	25	36.000	0.00720	0.01990	0.00398	0.55277	0.0	0.10000
Geocaulon lividum	GELI	25	32.000	0.08320	0.13838	0.02768	0.5202	0.0	0.50000
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	48.000	0.43600	1.05154	0.21031	0.48236	0.0	5.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Pyrola secunda	PYSE	25	24.000	0.02040	0.04067	0.00813	0.39872	0.0	0.10000
Pyrola virens	PYVI	25	44.000	0.02960	0.04495	0.00899	0.30373	0.0	0.10000
Solidago decumbens	SODE	25	80.000	0.03840	0.04732	0.00946	0.24648	0.0	0.10000
Viola adunca	VIAD	25	52.000	0.00880	0.01985	0.00382	0.44652	0.0	0.10000
Carex foenea	CXFO	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Carex umbellata	CXUM	25	72.000	0.13080	0.24092	0.04818	0.36827	0.0	1.00000
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	80.000	0.01880	0.03067	0.00617	0.32835	0.0	0.10000
Oryzopsis asperifolia	ORAS	25	28.000	0.02680	0.10057	0.02011	0.75052	0.0	0.50000
Oryzopsis pungens	ORPU	25	80.000	0.02240	0.03479	0.00696	0.31087	0.0	0.10000
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum variegatum	EQVA	25	40.000	0.00760	0.01985	0.00397	0.52235	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	72.000	0.87200	1.18656	0.23731	0.27214	0.0	5.00000
Vaccinium vitis-idaea	VAVI	25	52.000	8.48400	7.86686	1.57377	0.18550	0.0	30.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 34 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2722
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.5302 (NATURAL LOGARITHMS)

34 OF THE 43 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 33.0960



Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 13
Statistics for Soil Temperature and Synthetic Variables
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE MAIC

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	42.04000	3.89957	0.77991	0.01812	36.00000	51.00000
Tree Cover %	TREECV	25	96.000	12.82040	9.01238	1.80268	0.14061	0.0	30.00999
Shrub Cover %	SHRBCV	25	100.000	18.94199	10.57576	2.11515	0.11166	3.50000	40.20998
Forb Cover %	FORBCV	25	100.000	0.08000	0.05385	0.01077	0.13463	0.01000	0.21000
Graminoid Cover %	GRAMCV	25	88.000	0.31960	0.79905	0.15982	0.50005	0.0	4.01000
Pteridophyte Cover %	PTERCV	25	52.000	0.03240	0.10305	0.02061	0.63610	0.0	0.51000
Tree Species Richness	TREERP	25	96.000	1.04000	0.35119	0.07024	0.06754	0.0	2.00000
Shrub Species Richness	SHRBRP	25	100.000	6.16000	1.28062	0.25612	0.04158	4.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	2.24000	1.09087	0.21817	0.09740	1.00000	5.00000
Graminoid Species Richness	GRAMRP	25	88.000	1.72000	1.02144	0.20429	0.11877	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	52.000	0.56000	0.58310	0.11662	0.20825	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	32.19437	10.63777	2.12755	0.06608	13.48000	56.15957
Total Vascular Species Richness	TOTLRP	25	100.000	11.72000	1.72047	0.34409	0.02936	8.00000	14.00000

Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JN11

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	48.72000	2.35443	0.47089	0.00967	45.00000	53.00000
Tree Cover %	TREECV	25	96.000	9.12400	6.41945	1.28385	0.14072	0.0	20.00000
Shrub Cover %	SHRBCV	25	100.000	23.20440	13.56092	2.71218	0.11688	5.11000	50.59999
Forb Cover %	FORBCV	25	100.000	1.94280	1.60960	0.32192	0.16570	0.26000	5.24000
Graminoid Cover %	GRAMCV	25	100.000	0.34960	0.40492	0.08098	0.23165	0.01000	1.21000
Pteridophyte Cover %	PTERCV	25	44.000	0.02800	0.10235	0.02047	0.73105	0.0	0.51000
Tree Species Richness	TREERP	25	96.000	1.04000	0.35119	0.07024	0.06754	0.0	2.00000
Shrub Species Richness	SHRBRP	25	100.000	6.56000	1.55671	0.31134	0.04746	4.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	7.12000	1.53623	0.30725	0.04315	4.00000	10.00000
Graminoid Species Richness	GRAMRP	25	100.000	2.72000	0.92630	0.18726	0.06885	1.00000	4.00000
Pteridophyte Species Richness	PTERRP	25	44.000	0.48000	0.58595	0.11719	0.24414	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	34.68877	13.65288	2.73058	0.07881	7.79000	59.92995
Total Vascular Species Richness	TOTLRP	25	100.000	17.92000	2.44813	0.48963	0.02732	14.00000	22.00000

Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S282V (CREATION DATE = 04/17/83) Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JL11

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	58.44000	2.46779	0.49356	0.00845	54.00000	63.00000
Tree Cover %	TREECV	25	96.000	9.80800	6.06104	1.21621	0.12400	0.0	20.00000
Shrub Cover %	SHRBCV	25	100.000	26.81719	9.88804	1.97761	0.07374	10.00000	40.10999
Forb Cover %	FORBCV	25	100.000	2.77600	1.89655	0.37931	0.13664	0.74000	8.81000
Graminoid Cover %	GRAMCV	25	100.000	0.38200	0.37045	0.07409	0.19395	0.01000	1.21000
Pteridophyte Cover %	PTERCV	25	40.000	0.03880	0.10706	0.02141	0.55184	0.0	0.50000
Tree Species Richness	TREERP	25	88.000	1.08000	0.40000	0.08000	0.07407	0.0	2.00000
Shrub Species Richness	SHRBRP	25	100.000	6.84000	1.54596	0.30919	0.04520	4.00000	10.00000
Forb Species Richness	FORBRP	25	100.000	7.88000	1.45258	0.29052	0.03687	5.00000	11.00000
Graminoid Species Richness	GRAMRP	25	100.000	2.60000	0.86603	0.17321	0.06662	1.00000	4.00000
Pteridophyte Species Richness	PTERRP	25	40.000	0.48000	0.65320	0.13064	0.27217	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	39.82197	10.44730	2.08946	0.05247	15.15000	59.42998
Total Vascular Species Richness	TOTLRP	25	100.000	18.88000	2.74368	0.54870	0.02906	14.00000	25.00000

Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE S282V CREATION DATE = 04/17/83 Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE AU09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	56 52000	1 28565	0 25113	0 00441	55 00000	60 00000
Tree Cover %	TREECV	25	96 000	12 46400	8 23688	1 64738	0 14622	0 0	35 00000
Shrub Cover %	SHRBCV	25	100 000	31 75238	12 03686	2 40738	0 07582	12 60000	61 09995
Forb Cover %	FORBCV	25	100 000	3 32440	2 40569	0 48114	0 12286	1 21000	11 03000
Graminoid Cover %	GRAMCV	25	100 000	0 39800	0 37082	0 07416	0 18634	0 02000	1 60000
Pteridophyte Cover %	PTERCV	25	48 000	0 05200	0 13898	0 02780	0 53456	0 0	0 51000
Tree Species Richness	TREERP	25	96 000	1 04000	0 35118	0 07024	0 06754	0 0	2 00000
Shrub Species Richness	SHRBRP	25	100 000	5 52000	1 28841	0 25768	0 03724	4 00000	9 00000
Forb Species Richness	FORBRP	25	100 000	8 16000	1 88591	0 37718	0 04622	4 00000	11 00000
Graminoid Species Richness	GRAMRP	25	100 000	3 12000	0 97125	0 19425	0 06226	1 00000	5 00000
Pteridophyte Species Richness	PTERRP	25	48 000	0 56000	0 65064	0 13013	0 23237	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	48 59077	13 67871	2 73574	0 05630	15 51999	73 64998
Total Vascular Species Richness	TOTLRP	25	100 000	19 60000	2 81366	0 56273	0 02842	15 00000	25 00000

Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 17
Statistics for Soil Temperature and Synthetic Variables
FILE S282V CREATION DATE = 04/17/83 Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE SE11

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	47 20000	1 08012	0 21602	0 00458	45 00000	49 00000
Tree Cover %	TREECV	25	96 000	10 40400	7 94809	1 58962	0 15279	0 0	25 00000
Shrub Cover %	SHRBCV	25	100 000	24 50152	12 11139	2 42228	0 09899	7 20000	47 50000
Forb Cover %	FORBCV	25	100 000	1 87800	1 15514	0 23102	0 12302	0 33000	4 62000
Graminoid Cover %	GRAMCV	25	100 000	0 45000	0 45834	0 09167	0 20371	0 02000	1 62000
Pteridophyte Cover %	PTERCV	25	56 000	0 02180	0 03965	0 00793	0 36715	0 0	0 11000
Tree Species Richness	TREERP	25	96 000	1 04000	0 35119	0 07024	0 06754	0 0	2 00000
Shrub Species Richness	SHRBRP	25	100 000	6 72000	1 45831	0 29166	0 04340	4 00000	9 00000
Forb Species Richness	FORBRP	25	100 000	7 04000	1 90251	0 38070	0 05408	3 00000	11 00000
Graminoid Species Richness	GRAMRP	25	100 000	2 72000	0 97980	0 19596	0 07204	1 00000	5 00000
Pteridophyte Species Richness	PTERRP	25	56 000	0 72000	0 73711	0 14742	0 20475	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	41 35517	14 64522	2 92905	0 07100	12 95000	68 55997
Total Vascular Species Richness	TOTLRP	25	100 000	18 24000	3 01773	0 60355	0 03309	13 00000	24 00000

Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 18
Statistics for Soil Temperature and Synthetic Variables
FILE S282V CREATION DATE = 04/17/83 Stand 2 (62 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE OC10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100 000	44 64000	1 07548	0 21510	0 00482	42 00000	46 00000
Tree Cover %	TREECV	25	96 000	8 80080	7 97840	1 59568	0 18281	0 0	30 00999
Shrub Cover %	SHRBCV	25	100 000	22 56799	12 74284	2 54857	0 11294	3 62000	45 61986
Forb Cover %	FORBCV	25	100 000	0 51880	0 31322	0 06264	0 12075	0 13000	1 25000
Graminoid Cover %	GRAMCV	25	100 000	0 20080	0 35321	0 07064	0 35180	0 01000	1 60000
Pteridophyte Cover %	PTERCV	25	44 000	0 04780	0 13908	0 02782	0 58438	0 0	0 51000
Tree Species Richness	TREERP	25	96 000	1 08000	0 40000	0 08000	0 07407	0 0	2 00000
Shrub Species Richness	SHRBRP	25	100 000	5 36000	1 27797	0 21559	0 04562	3 00000	10 00000
Forb Species Richness	FORBRP	25	100 000	4 52000	1 63095	0 32619	0 08630	2 00000	8 00000
Graminoid Species Richness	GRAMRP	25	100 000	2 56000	1 09240	0 21848	0 07586	1 00000	5 00000
Pteridophyte Species Richness	PTERRP	25	44 000	0 48000	0 58595	0 11719	0 24414	0 0	2 00000
Total Vascular Cover %	TOTLCV	25	100 000	33 13597	11 38479	2 27696	0 06872	6 64999	56 14998
Total Vascular Species Richness	TOTLRP	25	100 000	15 72000	2 87981	0 57596	0 03664	11 00000	20 00000

SEADYN Project Hondo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ABBA	BEPA	PIBA	PIGL	PIMA	POTR	ALCR	AMAL	ARUV	LEGR	LOCI	PRPE	PRVI	ROAC	RUST	VAMY	VAVI	VIED	ACRU	AHMU	ANPA	ARNU	CARE	COCA
MA09																									
	0A	0	.010	18.0	0	0	0	.500	0	.100	0	.010	0	0	.010	.010	0	1.00	0	0	0	0	0	0	0
	0C	0	.010	20.0	1.00	0	0	3.00	0	0	.100	0	0	0	.010	.010	.010	.100	0	0	0	0	0	0	0
	0E	0	0	30.0	4.00	2.00	0	.500	0	.010	0	0	.010	0	.010	0	.010	.010	0	0	0	0	0	0	0
	0G	2.00	0	12.0	3.00	0	0	3.00	0	0	0	0	0	0	.010	0	.010	.500	0	0	0	0	0	0	.500
	0I	0	0	20.0	2.00	0	0	0	0	3.00	0	0	0	0	.010	0	.010	2.00	0	0	0	0	0	0	1.00
	2I	0	.100	13.0	4.00	0	0	2.00	0	0	0	0	0	0	.010	0	.010	1.00	0	0	0	0	0	0	2.00
	2G	0	0	18.0	10.0	0	0	1.00	0	0	0	0	0	0	.010	.010	.010	.100	0	0	0	0	0	0	0
	2E	0	0	18.0	0	0	0	3.00	0	0	1.00	0	.100	0	.010	.010	0	.100	0	0	0	0	0	0	.010
	2C	0	0	20.0	2.00	.100	0	2.00	0	0	0	0	0	0	.010	.010	.010	.500	0	0	0	0	0	0	0
	2A	0	0	12.0	13.0	.100	0	3.00	0	0	.010	0	.010	0	.010	.010	.010	.100	0	0	0	0	0	0	.100
	4A	0	0	20.0	0	0	0	.500	0	3.00	0	0	.100	0	.010	.010	.010	1.00	0	0	0	0	0	0	0
	4C	0	.010	17.0	3.00	0	0	2.00	0	0	0	0	.010	0	.010	.010	.010	1.00	0	0	0	0	0	0	0
	4E	0	0	25.0	5.00	0	0	2.00	0	0	0	0	0	0	.010	0	.010	.500	0	0	0	0	.010	0	0
	4G	0	0	20.0	.010	0	0	2.00	0	.500	0	0	0	0	.010	0	.010	1.00	0	0	0	0	0	0	0
	4I	0	0	20.0	1.00	0	0	1.00	0	0	0	0	0	0	.100	0	.010	2.00	0	0	0	0	0	0	0
	6I	0	0	4.00	.100	0	0	4.00	0	.100	2.00	0	0	0	.010	.010	.010	1.00	0	0	0	0	0	0	0
	6G	0	0	25.0	0	0	0	3.00	0	0	0	0	.100	0	.010	.010	.010	.500	0	0	0	0	0	0	0
	6E	0	0	20.0	3.00	0	0	3.00	0	.500	1.00	0	0	0	.010	0	.010	2.00	0	0	0	0	0	0	0
	6C	0	0	20.0	3.00	0	0	1.00	0	.100	0	0	.010	0	.100	0	.100	.500	0	0	0	0	0	0	.500
	6A	0	0	15.0	0	0	0	2.00	0	4.00	1.00	0	.010	0	.100	.010	.010	2.00	0	0	0	0	0	0	0
	8A	0	0	12.0	3.00	0	0	2.00	0	0	0	0	.010	0	.010	0	.010	2.00	0	0	0	0	0	0	0
	8C	0	0	10.0	2.00	1.00	0	3.00	0	1.00	0	0	.100	0	.100	.010	.500	1.00	0	0	0	0	0	0	0
	8E	0	0	30.0	.500	.010	.010	1.00	0	0	0	0	.010	0	.010	.010	.010	1.00	0	0	0	0	0	0	0
	8G	0	0	20.0	2.00	4.00	2.00	1.00	0	0	0	0	0	0	.010	.010	.100	1.00	0	0	0	0	0	0	0
	8I	0	0	15.0	0	0	.500	.500	0	0	0	0	.010	0	.100	0	.010	3.00	0	0	0	0	0	0	1.00
Mean		.080	.005	18.1	2.48	.288	.100	1.84	0	.482	.204	.000	.018	0	.028	.004	.038	.856	0	0	0	0	.000	0	.204
JN10																									
	0A	0	0	10.0	0	0	0	.500	0	0	0	.010	0	0	.500	.100	.100	1.00	0	0	.010	0	.100	0	0
	0C	0	0	8.00	0	0	0	4.00	0	0	0	0	0	0	1.00	1.00	.500	.500	0	0	0	0	2.00	.100	0
	0E	0	0	15.0	3.00	0	0	1.00	0	.010	0	0	0	0	.500	.010	.500	.100	0	0	0	0	.500	0	0
	0G	.010	0	3.00	0	0	0	3.00	0	0	0	0	0	0	.500	.100	1.00	.500	0	0	0	0	3.00	0	1.00
	0I	0	0	15.0	1.00	0	0	1.00	0	2.00	0	0	0	0	3.00	.500	.500	1.00	0	0	0	0	2.00	0	1.00
	2I	0	0	4.00	2.00	0	0	5.00	0	0	0	0	0	0	.500	0	.500	1.00	0	0	0	0	1.00	0	2.00
	2G	0	0	3.00	5.00	0	0	4.00	0	0	0	0	0	0	.500	.100	.500	1.00	0	0	0	0	1.00	0	0
	2E	0	0	5.00	0	0	0	3.00	0	0	.500	0	.100	0	.500	.500	.500	.100	0	0	0	0	2.00	0	0
	2C	0	0	15.0	.500	0	0	1.00	0	0	0	0	0	0	.500	1.00	.500	.100	0	0	0	0	4.00	.010	0
	2A	0	0	3.00	8.00	0	0	2.00	0	0	.100	0	0	0	0	1.00	.500	.500	0	0	0	0	1.00	0	.100
	4A	0	0	15.0	0	0	0	.500	0	4.00	0	.100	1.00	0	3.00	1.00	1.00	1.00	0	0	0	0	3.00	0	0
	4C	0	2.00	15.0	0	0	0	5.00	.500	0	0	0	1.00	0	2.00	3.00	2.00	.500	0	0	0	0	2.00	0	0
	4E	0	0	15.0	5.00	0	0	6.00	0	0	0	0	0	0	1.00	.100	1.00	.500	0	0	0	0	2.00	0	0
	4G	0	0	15.0	0	0	0	4.00	0	.500	0	0	0	0	2.00	0	1.00	.500	0	0	0	0	2.00	0	0
	4I	0	0	20.0	1.00	0	0	2.00	0	0	0	0	0	0	2.00	0	.500	1.00	0	0	.010	0	1.00	0	0
	6I	0	0	10.0	.500	0	0	8.00	0	0	3.00	0	0	0	.500	.100	.100	1.00	0	0	0	0	2.00	0	.100
	6G	0	0	15.0	0	0	0	0	0	0	0	0	.100	0	.500	.100	.100	1.00	0	0	0	0	3.00	0	0
	6E	0	.010	20.0	2.00	0	0	5.00	0	.100	2.00	0	0	0	1.00	.500	.100	1.00	0	0	0	0	2.00	0	0
	6C	0	0	25.0	4.00	0	0	3.00	0	.010	0	0	.010	0	2.00	.500	1.00	.500	0	0	0	0	3.00	.010	.500
	6A	0	0	20.0	0	0	0	4.00	0	4.00	1.00	0	.500	0	2.00	1.00	.100	2.00	0	0	0	0	2.00	.010	0
	8A	0	0	15.0	4.00	0	0	6.00	0	.500	0	0	.100	0	2.00	.100	.500	2.00	0	0	0	0	2.00	0	0
	8C	0	1.00	7.00	3.00	1.00	0	8.00	0	1.00	0	.010	.100	0	1.00	1.00	2.00	2.00	0	0	0	0	4.00	0	0
	8E	0	.010	25.0	.500	0	.010	2.00	0	0	0	0	0	0	2.00	.500	.100	1.00	0	0	0	0	2.00	0	0
	8G	0	.010	10.0	3.00	6.00	3.00	3.00	0	.500	0	0	0	0	1.00	.500	1.00	1.00	0	0	0	0	1.00	0	0
	8I	0	.100	25.0	0	0	3.00	2.00	0	0	0	.100	0	0	1.00	0	.100	5.00	0	0	.010	0	2.00	0	[illegible]
Mean		.000	.125	13.2	1.70	.280	.240	3.08	.020	.505	.284	.009	.116	0	1.22	.508	.628	1.03	0	0	.001	0	2.08	.005	.288
JL10																									
	0A	0	.100	22.0	0	0	0	3.00	0	.500	0	.500	0	0	3.00	1.00	.500	2.00	0	0	0	.100	1.00	.010	0
	0C	0	.100	20.0	3.00	0	0	10.0	0	0	.100	0	0	0	3.00	2.00	.500	2.00	0	0	0	0	7.00	.010	0
	0E	0	0	25.0	3.00	2.00	0	4.00	0	0	0	0	0	0	2.00	.010	1.00	.100	0	0	0	0	4.00	.010	0
	0G	2.00	0	10.0	3.00	0	0	7.00	0	0	0	0	0	0	1.00	.500	1.00	.500	0	0	0	0	12.0	0	3.00
	0I	0	0	20.0	4.00	0	0	4.00	0	4.00	0	0	0	0	5.00	.500	1.00	2.00	0	0	0	0	8.00	0	3.00
	2I	0	1.00	5.00	5.00	0	0	5.00	0	0	0	0	0	0	3.00	0	.500	1.00	.100	0	0	0	7.00	0	5.00
	2G	0	0	20.0	10.0	0	0	6.00	0	0	0	0	0	0	2.00	.500	2.00	1.00	0	0	0	0	10.0	0	0
	2E	0	0	12.0	0	0	0	7.00	0	0	2.00	0	4.00	0	1.00	1.00	.500	.500	0	0	0	0	7.00	0	0
	2C	0	0	20.0	1.00	.500	0	5.00	0	0	0	0	0	0	2.00	4.00	1.00	.500	0	0	0	0	8.00	0	0
	2A	0	1.00	11.0	15.0	0	0	10.0	0	0	.500	0	0	0	.100	1.00	.500	1.00	0	0	0	0	4.00	0	1.00
	4A	0	0	15.0	0	0	0	2.00	.010	4.00	0	0	2.00	0	4.00	2.00	1.00	1.00	0	0	0	0	6.00	.010	0
	4C	0	0	15.0	3.00	0	0	4.00	0	0	0	0	1.00	0	1.00	2.00	2.00	1.00	0	0	0	0	8.00	0	0
	4E	0	0	15.0	2.00	0	0	10.0	0	0	0	0	0	0	2.00	.100	2.00	.500	0	0	0	0	3.00	0	0
	4G	0	0	20.0	0	0	0	10.0	0	.100	0	0	0	0	2.00	0	1.00	.500	0	0	0	0	6.00	0	0
	4I	0	0	15.0	1.00	0	0	4.00	0	0	0	0	0	0	2.00	.500	.100	.500	0	0	.100	0	8.00	0	0
	6I	0	0	10.0	.500	0	0	8.00	0	0	3.00	0	0	0	1.00	.100	.500	.100	0	0	0	0	5.00	0	0
	6G	0	0	15.0	0	0	0	7.00	0	0	0	0	1.00	0	2.00	1.00	.500	.100	0	0	0	0	8.00	0	0
	6E	0	0	15.0	2.00	0	0	15.0	0	0	1.00	0	.100	0	2.00	1.00	.500	.500	0	0	0	0	5.00	0	0
	6C	0	0	20.0	2.00	0	0	5.00	0	0	0	0	0	0	3.00	.500	1.00	.500	0	0	0	0	7.00	0	.500
	6A	0	0	10.0	0	0	0	12.0	0	2.00	.500	0	.100	0	2.00	.500	.500	1.00	0	0	0	0	4.00	.010	0
	8A	0	0	20.0	2.00	0	0	8.00	0	0	0	0	.500	0	3.00	1.00	1.00	.500	0	0	0	0	4.00	0	0
	8C	0	0	4.00	1.00	0	0	10.0	0	.500	0	0	.500	0	0	2.00	2.00	1.00	0	0	0	0	6.00	0	0
	8E	0	.500	20.0	.500	0	.500	4.00	0	0	0	0	0	0	1.00	1.00	.500	1.00	0	0	0	0	6.00	0	0
	8G	0	.500	10.0	7.00	0	2.00	2.00	0	.500	0	0	0	0	2.00	.500	1.00	1.00	0	0	0	0	2.00	0	0
	8I	0	.100	15.0	0	0	.100	.500	0	0	0	.100	0	0	2.00	0	.500	3.00	0	0	.100	0	4.00	0	3.00
Mean		.080	.132	15.4	2.60	.100	.104	6.42	.000	.504	.284	.024	.408	0	2.08	.948	.904	.912	.004	0	.008	.004	6.12	.002	.620
AU09																									
	0A	0	.100	20.0	0	0	0	5.00	0	.100	0	.100	0	0	1.00	.500	.500	.100	0	0	.100	0	.500	.010	0
	0C	0	.100	20.0	0	0	0	15.0	0	0	0	0	0	0	.500	1.00	1.00	.500	0	0	0	0	15.0	.010	0
	0E	0	0	25.0	5.00	0	0	3.00	0	0	0	0	0	0	2.00	.500	1.00	.100	0	0	0	0	3.00	.010	0
	0G	1.00	0	10.0	2.00	0	0	7.00	0	0	0	0	0	0	.500	1.00	1.00	.100	0	.100	0	0	20.0	0	8.00
	0I	0	0	25.0	2.00	0	0	2.00	0	3.00	0	0	0	0	5.00	.100	2.00	2.00	0	0	0	0	17.0	.010	4.00
	2I	0	0	7.00	4.00	0	0	7.00	0	0	0	0	0	0	1.00	0	.500	.500	.100	0	0	0	15.0	0	7.00
	2G	0	0	17.0	0	0	0	12.0	0	0	0	0	0	0	3.00	1.00	1.00	.500	0	0	0	0	15.0	0	0
	2E	0	0	10.0	0	0	0	15.0	0	0	.500	0	1.00	0	.500	.500	1.00	.100	0	0	0	0	10.0	0	
	2C	0	0	25.0	0	0	0	8.00	0	0	0	0	0	0	.500	2.00	.500	.100	0	0	0	0	25.0	0	[illegible]
	2A	0	0	5.00	10.0	0	0	15.0	0	0	.100	0	0	0	.500	.500	1.00	.500	0	0	0	0	4.00	.010	0
	4A	0	0	20.0	0	0	0	.500	.100	4.00	0	0	2.00	0	5.00	3.00	3.00	1.00	0	0	0	0	10.0	.010	0
	4C	0	.500	20.0	0	0	0	17.0	.100	0	0	0	2.00	0	1.00	3.00	4.00	.100	0	0	0	0	25.0	.010	0
	4E	0	0	15.0	3.00	0	0	15.0	0	0	0	0	0	0	3.00	.500	.500	.100	0	0	0	0	7.00	0	0
	4G	0	0	30.0	1.00	0	0	10.0	0	1.00	0	0	0	0	8.00	0	2.00	1.00	0	0	0	0	1.00	0	0
	4I	0	0	25.0	1.00	0	.100	4.00	0	.100	0	0	0	0	4.00	.100	1.00	2.00	0	0	.010	0	5.00	0	0
	6I	0	0	8.00	1.00	0	.010	10.0	0	0	4.00	0	0	0	2.00	.500	4.00	2.00	0	0	0	0	5.00	0	1.00
	6G	0	0	27.0	0	0	1.00	10.0	0	0	0	0	2.00	0	2.00	1.00	1.00	1.00	0	0	0	0	6.00	0	0
	6E	0	.100	30.0	2.00	0	.500	7.00	0	.500	3.00	0	.500	0	1.00	1.00	.500	1.00	0	0	0	0	8.00	0	0
	6C	0	0	30.0	4.00	0	0	8.00	0	0	0	0	1.00	0	4.00	.500	4.00	.500	0	0	0	0	12.0	.100	2.00
	6A	0	0	20.0	0	0	0	10.0	0	5.00	2.00	0	1.00	0	2.00	2.00	2.00	3.00	0	0	0	0	5.00	.010	0
	8A	0	0	20.0	4.00	0	0	3.00	0	.500	0	0	1.00	0	3.00	1.00	2.00	2.00	0	0	0	0	5.00	0	0
	8C	0	1.00	8.00	2.00	2.00	0	12.0	0	2.00	0	0	1.00	0	3.00	2.00	4.00	2.00	0	0	0	0	11.0	0	0
	8E	0	.500	25.0	1.00	0	1.00	5.00	0	0	0	0	0	0	2.00	2.00	2.00	.500	0	0	0	0	10.0	0	0

SEADYN Project Mendo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community,
Species Cover % Values By 5x5 m Plots

Date	Plot	ABBA	SEPA	PIBA	PIGL	PIMA	POTR	ALCR	AMAL	ARUV	LEGR	LODI	PRPE	PRVI	ROAC	RUST	VAMY	VAVI	VIED	ACRU	ANMU	ANPA	ARNU	CARS	COCA
	80	0	010	18 0	3 00	8 00	5 00	4 00	0	1 00	0	0	0	0	3 00	00	2 00	1 00	0	0	0	0	4 00	0	0
	81	0	500	22 0	0	0	2 00	2 00	0	0	0	010	0	0	3 00	500	00	3 00	0	0	0	00	00	0	8 00
Mean		040	112	19 4	80	220	284	8 44	008	888	284	004	480	0	2 28	08	70	888	004	004	004	004	10 0	007	04

SE05

OC05

TRANSPACE REQUIRED 200 BYTES
10 TRANSFORMATIONS
15 RECODE VALUES + LAG VARIABLES
65 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0 47 SECONDS

```
47 REPORT     FORMAT = HDSPACE 1  BRKSPACE 0  FTSPACE 0  LIST
48            VARIABLES = PLOTNO Plot 4  ABBA TO COCA 4
49            HEAD = 'SEADYN Project  Mendo-Slave Lake  Stand 3
50            Monthly Survey of Vascular Plant Community,
51            Species Cover % Values By 5x5 m Plots'
52            BREAK = SUBFILE  Date 4
53            SUMMARY = MEAN  Mean
```

REPORT REQUIRES 3858 BYTES FOR THIS TASK

SEADYN Project Hondo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	EPAN	PRVI	GABO	GELI	GORE	MICA	LIBO	LIPH	MACA	MELI	PYSE	PYVI	RUPU	VIAD	VIRE	CXPO	CXUM	ELGL	ELIN	ORPU	SCPU	ORSP	EOVA	LYAN
MAY5																				0	010	0	0	0	0
	0A	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	3.00
	0C	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0
	0E	0	0	0	0	0	0	500	0	0	0	100	010	0	0	0	0	0	0	0	0	0	0	0	500
	0G	0	0	0	0	0	0	500	0	0	0	100	0	0	0	0	0	0	0	010	0	0	0	0	0
	0I	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010
	2I	0	0	0	0	0	0	500	0	0	0	0	010	0	0	0	0	0	0	010	0	0	0	0	0
	2G	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500
	2E	0	010	0	0	0	0	3.00	0	0	0	010	010	0	0	0	0	0	0	010	0	0	0	0	0
	2C	0	0	0	0	0	0	500	0	0	0	100	010	0	0	0	0	0	0	010	0	0	100	0	0
	2A	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	010	010	010	0	010	0
	4A	0	0	0	0	0	0	500	0	0	0	100	0	0	0	0	0	0	0	010	0	0	100	0	100
	4C	0	100	0	0	0	0	100	0	0	0	100	010	0	0	0	0	0	0	0	0	0	100	0	500
	4E	0	0	0	0	0	0	010	0	0	0	100	0	0	0	0	0	0	0	010	0	0	010	0	0
	4G	0	010	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0
	4I	0	0	0	0	0	0	3.00	0	0	0	100	010	0	0	0	0	0	0	010	0	0	0	0	100
	6I	0	0	0	0	0	0	500	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	2.00
	6G	0	0	0	0	0	0	1.00	0	0	0	100	0	0	0	0	0	0	0	010	0	0	0	0	0
	6E	0	100	0	0	0	0	1.00	0	0	0	010	0	0	0	0	0	0	0	010	010	0	0	0	0
	6C	0	0	0	0	0	0	3.00	0	0	0	500	010	0	0	0	0	0	0	010	010	100	0	0	010
	6A	0	0	0	0	0	0	1.00	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0
	8A	0	0	0	0	0	0	2.00	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	0	1.00
	8C	0	0	0	0	0	0	1.00	0	0	0	100	010	0	0	0	0	0	0	010	0	0	0	0	0
	8E	0	0	0	0	010	0	2.00	0	0	0	0	010	0	0	0	0	0	0	010	0	0	0	0	100
	8G	0	0	0	0	0	0	3.00	0	0	0	100	010	0	0	0	0	0	0	100	0	0	0	0	0
	8I	0	010	0	0	0	0	1.00	0	0	0	100	0	0	0	0	0	0	0						
Mean		0	008	0	0	000	0	[illegible]	0	0	0	077	004	0	0	0	0	0	0	010	002	004	020	000	313
JN10																									
	0A	100	0	100	010	0	0	3.00	0	2.00	0	0	0	0	010	0	0	0	0	100	010	0	0	0	0
	0C	500	0	100	0	0	0	500	0	3.00	0	0	0	500	0	500	0	0	0	010	0	0	500	0	2.00
	0E	0	0	100	100	0	0	2.00	0	1.00	0	500	0	0	0	100	0	0	0	100	0	0	0	0	100
	0G	0	0	010	0	0	0	3.00	0	4.00	0	100	0	1.00	0	0	0	0	100	010	0	0	0	0	500
	0I	0	0	100	100	0	0	2.00	0	4.00	0	0	0	0	0	0	0	0	0	500	010	0	0	0	0
	2I	0	0	0	0	0	0	1.00	0	4.00	0	0	010	100	0	0	0	0	0	100	0	0	0	0	010
	2G	0	0	0	0	0	0	3.00	0	1.00	0	0	0	500	0	0	010	0	0	100	0	0	0	0	0
	2E	0	100	010	0	0	010	3.00	0	10.0	0	0	0	0	0	500	0	0	0	100	0	0	100	0	100
	2C	500	0	100	0	0	0	2.00	010	2.00	0	100	0	0	0	100	0	0	0	500	010	0	0	0	0
	2A	100	0	100	0	0	0	2.00	0	3.00	0	100	0	100	0	100	0	0	0	500	0	0	100	0	500
	4A	0	0	100	0	0	0	5.00	0	7.00	0	500	0	0	010	500	0	0	0	500	0	0	0	0	0
	4C	0	2.00	100	0	0	0	3.00	0	8.00	0	0	0	1.00	0	100	0	0	0	500	0	0	100	0	100
	4E	0	0	500	0	0	0	1.00	0	8.00	0	0	0	500	0	100	0	0	0	100	0	0	500	0	500
	4G	0	0	100	100	0	0	4.00	0	2.00	0	0	0	0	0	010	0	0	0	500	0	0	0	0	0
	4I	0	0	100	100	0	0	3.00	0	2.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0
	6I	0	0	0	100	0	0	2.00	0	2.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	500
	6G	0	0	0	0	0	0	2.00	0	2.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	2.00
	6E	0	0	0	0	0	0	2.00	0	2.00	0	0	0	1.00	0	010	0	0	0	010	0	0	0	0	0
	6C	0	0	0	010	0	0	12.0	0	2.00	0	100	0	0	0	010	0	0	0	100	010	010	0	0	0
	6A	0	0	010	500	0	0	4.00	0	3.00	0	0	0	0	0	0	0	0	0	500	010	100	0	0	100
	8A	0	0	100	0	0	0	3.00	0	1.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0
	8C	0	0	0	0	0	0	5.00	0	2.00	0	100	0	0	0	100	0	0	0	100	0	0	100	0	2.00
	8E	0	0	100	100	0	0	4.00	0	2.00	0	0	010	0	0	0	0	0	0	100	0	0	0	0	0
	8G	010	0	0	0	0	0	2.00	0	2.00	0	100	0	0	0	0	0	0	0	010	0	0	0	0	010
	8I	100	100	100	010	0	0	3.00	0	2.00	0	100	0	100	0	0	0	0	0	100	0	0	0	0	0
Mean		052	028	073	045	0	000	2.06	000	3.16	0	084	001	182	001	085	000	0	004	192	002	004	056	0	377
JL10																									
	0A	100	0	500	010	0	0	4.00	0	4.00	0	0	0	0	010	0	0	0	0	100	010	0	0	0	0
	0C	500	0	100	0	0	0	2.00	0	2.00	0	0	0	500	0	500	0	0	0	500	0	0	100	0	4.00
	0E	0	0	0	100	0	0	3.00	0	3.00	0	500	010	010	0	100	0	0	0	010	0	0	0	0	0
	0G	0	0	010	0	0	0	2.00	0	3.00	0	100	0	500	0	100	0	0	0	010	010	0	0	0	1.00
	0I	0	0	500	100	0	0	2.00	0	4.00	0	0	0	0	0	0	0	0	0	500	010	100	0	0	0
	2I	0	0	0	0	0	0	1.00	0	3.00	0	0	0	100	0	0	0	0	0	010	0	0	0	0	100
	2G	0	0	010	0	0	0	3.00	0	2.00	0	0	0	010	0	0	010	0	0	500	0	010	0	0	0
	2E	0	0	0	0	0	0	2.00	010	8.00	0	100	010	0	0	1.00	0	0	0	100	0	0	500	0	1.00
	2C	500	0	500	0	0	0	5.00	010	2.00	0	500	0	2.00	0	100	0	0	0	100	0	010	0	0	100
	2A	500	0	100	0	0	0	2.00	0	3.00	0	0	0	100	0	010	0	0	0	100	0	0	500	0	0
	4A	0	0	100	0	0	0	3.00	0	2.00	0	100	100	100	0	0	0	0	0	500	010	0	0	010	0
	4C	0	500	100	0	0	0	2.00	0	4.00	0	0	0	100	0	100	0	0	0	100	0	100	100	0	0
	4E	0	0	100	0	0	0	1.00	0	2.00	0	100	0	500	0	100	0	0	0	100	0	0	100	0	100
	4G	0	0	100	100	0	0	2.00	0	2.00	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0
	4I	0	0	100	100	0	0	3.00	0	3.00	0	100	100	0	0	100	0	0	0	500	0	0	0	0	0
	6I	0	0	0	100	0	0	1.00	0	4.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0
	6G	100	0	0	0	0	0	3.00	0	4.00	0	100	100	0	0	0	0	0	0	100	0	0	100	0	500
	6E	0	010	0	0	0	0	2.00	0	1.00	0	0	0	100	0	100	0	0	0	100	0	0	0	0	0
	6C	0	0	0	100	0	100	8.00	0	3.00	0	100	100	0	0	010	0	0	0	100	100	0	0	0	100
	6A	0	0	0	1.00	100	0	4.00	0	4.00	0	0	0	0	0	100	0	0	100	100	010	0	0	0	100
	8A	0	0	100	100	0	100	3.00	0	3.00	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0
	8C	1.00	0	0	100	0	0	5.00	0	4.00	0	500	100	0	0	500	0	0	0	500	0	0	0	0	100
	8E	500	0	100	500	0	0	3.00	0	3.00	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0
	8G	500	0	100	100	0	0	3.00	0	2.00	0	500	100	0	0	0	0	0	0	100	0	0	0	0	0
	8I	500	100	100	100	0	0	3.00	0	4.00	0	100	0	500	0	0	0	0	0	500	0	0	0	0	0
Mean		156	024	105	100	004	008	3.00	001	3.20	0	120	029	181	000	113	000	0	004	217	006	009	052	000	284
AUG5																									
	0A	010	0	100	100	0	100	8.00	0	3.00	0	0	0	0	100	0	0	0	0	100	100	0	0	0	0
	0C	500	0	100	0	0	100	2.00	0	500	0	0	0	1.00	0	500	0	0	0	100	0	0	500	0	3.00
	0E	0	0	100	100	0	100	3.00	0	3.00	0	100	0	0	0	500	0	0	0	100	0	0	0	0	010
	0G	0	0	100	0	0	0	1.00	0	5.00	0	500	0	1.00	0	500	0	0	0	100	0	0	0	0	100
	0I	0	0	100	100	0	0	2.00	0	4.00	0	0	0	0	0	0	0	0	0	500	010	0	0	0	0
	2I	0	0	0	0	0	0	500	0	4.00	0	0	100	100	0	0	0	0	0	100	0	0	0	0	010
	2G	0	0	010	0	0	0	3.00	0	1.00	0	0	0	500	0	0	100	0	0	500	0	0	0	0	0
	2E	0	500	0	0	0	100	5.00	010	10.0	0	0	0	0	0	500	0	0	0	100	0	0	100	0	100
	2C	500	0	500	0	0	0	3.00	0	4.00	0	500	100	2.00	0	100	0	0	0	100	010	0	0	0	0
	2A	100	0	100	0	0	0	3.00	0	2.00	0	100	010	0	0	100	0	0	0	100	0	0	100	0	0
	4A	0	0	100	0	0	0	4.00	0	3.00	0	1.00	010	0	100	500	0	0	0	500	0	0	0	0	0
	4C	0	2.00	100	0	0	0	2.00	0	4.00	0	100	100	500	0	500	0	0	0	500	0	0	0	0	0
	4E	0	0	100	0	0	0	500	0	5.00	0	100	010	500	0	500	0	0	0	100	0	0	100	0	100
	4G	0	500	100	0	0	0	4.00	0	1.00	0	0	0	0	0	010	0	0	0	500	0	0	0	0	0
	4I	0	0	100	100	0	0	3.00	0	3.00	0	100	0	0	0	0	0	0	0	1.00	0	0	0	0	0
	6I	0	0	0	500	0	0	2.00	0	2.00	0	500	0	0	0	0	010	0	0	500	0	0	0	0	0
	6G	500	0	0	0	0	0	4.00	0	2.00	0	100	0	0	0	100	0	0	0	100	0	0	100	0	4.00
	6E	0	500	0	0	0	0	5.00	0	2.00	0	0	0	500	0	0	0	0	0	500	0	0	0	0	0
	6C	0	0	0	100	0	100	13.0	0	2.00	0	100	0	0	0	500	0	0	0	1.00	100	100	0	0	0
	6A	0	0	0	1.00	0	100	5.00	0	4.00	0	010	0	0	0	100	0	0	0	500	100	1.00	0	0	0
	8A	0	0	100	100	0	0	4.00	0	2.00	0	010	0	0	0	010	0	0	0	100	0	0	0	0	0
	8C	1.00	0	0	0	0	0	5.00	0	3.00	0	500	0	0	0	500	0	0	0	500	0	0	100	0	1.00
	8E	2.00	0	100	500	010	0	5.00	0	3.00	0	0	010	0	0	0	0	0	0	1.00	0	0	0	0	0

SEADYN Project, Hondo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	EPAN	PRVI	CABO	CELI	CORE	HICA	LIBO	LIPH	MACA	MELI	PYSE	PYVI	RUPU	VIAD	VIRE	CXPC	CXUM	ELGL	ELIN	ORPU	SCPL	ORSP	SOVA	LYAN
	8G	1.00	0	0	0	0	0	3.00	0	1.00	0	500	0	0	0	0	0	0	0	500	0	0	0	0	100
	8I	2.00	100	500	500	0	0	5.00	0	4.00	0	100	100	500	0	0	0	0	0	1.00	0	0	500	0	0
Mean		344	144	092	124	000	024	3.84	000	3.14	0	173	018	284	008	197	004	0	0	404	012	044	080	0	237
SE09																									
	0A	100	0	010	100	0	100	4.00	0	0	0	0	0	0	010	010	0	0	0	100	100	0	0	0	0
	0C	500	0	100	0	0	0	2.00	0	0	0	0	010	1.00	0	1.00	0	0	0	100	0	0	1.00	0	5.00
	0E	0	0	010	100	0	010	3.00	0	0	0	500	0	0	0	100	0	0	0	100	010	0	0	0	100
	0G	0	0	100	0	0	0	1.00	0	0	0	100	0	1.00	0	500	0	0	0	100	0	0	0	0	500
	0I	0	0	010	0	0	0	3.00	0	0	0	0	0	0	0	0	0	0	0	500	010	100	0	0	0
	2I	0	0	0	0	0	0	1.00	0	0	0	0	100	500	0	0	0	0	0	100	0	0	0	0	0
	2G	0	0	010	0	0	0	5.00	0	010	0	0	0	100	0	0	010	0	0	500	0	0	0	0	0
	2E	0	100	0	0	0	010	7.00	0	0	0	0	010	0	0	2.00	0	0	0	010	0	0	1.00	0	1.00
	2C	1.00	0	500	0	0	0	6.00	0	010	0	500	010	2.00	0	1.00	0	0	0	500	0	0	0	0	0
	2A	500	0	010	0	0	0	5.00	0	0	0	100	0	100	0	500	0	0	0	500	0	0	500	0	0
	4A	0	0	100	500	0	0	5.00	0	0	0	100	0	0	0	500	0	0	0	500	010	100	0	0	0
	4C	0	1.00	500	0	0	0	2.00	0	0	0	100	0	100	0	100	0	0	0	1.00	0	0	0	0	0
	4E	0	0	100	0	0	0	2.00	0	0	0	100	100	500	0	100	0	0	0	100	0	0	100	0	0
	4G	0	0	100	0	0	0	5.00	0	0	0	0	0	0	0	0	0	0	0	500	0	0	0	0	500
	4I	0	0	100	100	0	0	4.00	0	0	0	500	0	0	0	500	0	0	0	500	0	0	0	0	0
	6I	0	0	0	100	0	0	2.00	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	500
	6G	100	0	0	0	0	0	3.00	0	0	0	100	0	500	0	100	0	0	0	100	0	0	100	0	1.00
	6E	0	500	0	0	0	0	3.00	0	0	0	0	0	500	0	0	0	0	0	1.00	0	0	0	0	0
	6C	0	100	0	0	0	010	[illegible]	0	0	0	100	100	100	0	500	0	0	0	1.00	100	0	0	0	100
	6A	0	0	0	100	0	0	4.00	0	0	0	100	100	0	100	500	0	0	150	500	100	0	0	0	100
	8A	0	0	100	0	0	100	6.00	0	0	0	100	0	0	0	0	0	0	0	500	0	0	0	0	0
	8C	1.00	0	0	0	0	0	5.00	0	0	0	100	100	100	0	100	0	0	0	500	0	0	100	0	500
	8E	1.00	0	100	100	0	0	5.00	0	0	0	0	100	0	0	100	0	0	0	1.00	0	0	0	0	0
	8G	1.00	0	010	0	0	0	6.00	0	0	0	1.00	0	0	0	100	0	0	0	500	0	0	0	0	0
	8I	500	500	100	010	0	0	4.00	0	0	0	100	010	500	0	0	0	0	0	1.00	0	0	100	0	0
Mean		226	088	078	044	0	005	4.16	0	001	0	148	026	280	004	306	000	0	004	452	012	008	116	0	226
OC09																									
	0A	0	0	010	0	0	0	2.00	0	0	0	0	0	0	010	0	0	0	0	010	010	0	0	0	0
	0C	0	0	0	0	0	0	2.00	0	0	0	0	0	0	0	0	0	0	0	100	0	0	500	0	4.00
	0E	0	010	0	010	0	0	2.00	0	0	0	500	0	0	0	0	0	0	0	100	0	0	0	0	0
	0G	0	0	0	0	0	0	500	0	0	0	500	0	0	0	0	0	0	0	100	0	0	0	0	1.00
	0I	0	0	0	0	0	0	1.00	0	0	0	0	0	0	100	0	0	0	0	100	0	0	0	0	0
	2I	0	0	0	0	0	0	1.00	0	0	0	100	100	0	0	0	0	0	0	010	0	0	0	0	1.00
	2G	0	0	010	0	0	0	2.00	0	0	0	0	0	100	0	0	0	0	010	100	010	0	0	0	0
	2E	0	100	0	0	0	0	5.00	0	0	0	100	010	0	0	0	0	0	0	100	0	0	100	0	100
	2C	0	0	0	0	0	0	3.00	0	0	0	1.00	100	100	0	0	0	0	0	100	0	0	0	0	0
	2A	0	0	0	0	0	0	2.00	0	0	0	0	0	0	0	0	0	0	0	100	0	0	500	0	0
	4A	0	0	0	0	0	0	2.00	0	0	0	500	100	0	010	0	0	0	0	500	010	0	0	0	0
	4C	0	500	100	0	0	0	2.00	0	0	0	100	010	0	0	0	0	0	0	500	0	0	100	0	1.00
	4E	0	0	010	0	0	0	1.00	0	0	0	100	010	0	0	0	0	0	0	0	0	0	1.00	0	1.00
	4G	0	0	010	0	0	0	3.00	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0
	4I	0	0	100	0	0	0	3.00	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	0
	6I	0	0	0	010	0	0	3.00	0	0	0	500	0	0	0	0	0	0	0	100	0	0	0	0	0
	6G	0	0	0	100	0	0	2.00	0	0	0	100	100	0	0	0	0	0	0	500	0	0	0	0	1.00
	6E	0	100	0	0	0	0	2.00	0	0	0	100	0	100	0	0	0	0	0	010	0	0	0	0	0
	6C	0	0	0	0	0	0	5.00	0	0	0	500	010	0	0	0	0	0	0	500	010	0	0	0	0
	6A	0	0	0	500	0	0	4.00	0	0	0	100	0	0	0	010	0	0	0	1.00	010	1.00	0	0	100
	8A	0	0	010	010	0	010	4.00	0	0	0	500	0	0	0	0	0	0	0	1.00	0	0	0	0	0
	8C	0	0	0	0	0	0	5.00	0	0	0	500	010	0	0	0	0	0	0	500	0	0	0	0	100
	8E	0	0	010	500	0	0	6.00	0	0	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0
	8G	0	0	010	0	0	0	4.00	0	0	0	500	0	0	0	100	0	0	0	100	0	0	0	0	0
	8I	0	100	0	0	0	0	6.00	0	0	0	100	0	010	0	0	0	0	0	500	0	0	1.00	0	0
Mean		0	032	011	048	0	000	3.08	0	0	0	238	022	012	008	004	0	0	000	197	002	040	128	0	240

SEADYN Project. Hondo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	LITR	GRAS	SODE	CACA
MA09					
	0A	0	0	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	0	0	0	0
	0I	0	0	0	0
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	5.00	0	0	0
	4A	5.00	0	0	0
	4C	1.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	1.00	0	0	0
	8C	0	0	0	0
	8E	0	0	0	0
	8G	0	0	0	0
	8I	0	0	0	0
Mean		1.20	0	0	0
JN10					
	0A	0	0	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	5.00	0	0	0
	0I	0	0	0	0
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	0	0	0	0
	4A	2.00	0	0	0
	4C	1.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	1.00	0	0	0
	8C	0	0	0	0
	8E	0	0	0	0
	8G	0	0	0	0
	8I	0	0	0	0
Mean		1.80	0	0	0
JL10					
	0A	0	0	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	5.00	0	0	0
	0I	0	0.10	0	0
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	1.00	0	0	0
	4A	2.00	0	0	0
	4C	1.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	5.00	0	0	0
	8C	0	0	0	0
	8E	0	0	0.10	0
	8G	0	0	0	0
	8I	0	0	0	0
Mean		2.00	.00	.00	0
AU09					
	0A	0	0	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	1.00	0	0	1.00
	0I	0	0	0	0.10
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	5.00	0	0	0
	4A	1.00	0	0	0
	4C	1.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	2.00	0	0	0
	8C	0	0	0	0
	8E	0	0	0	0

SEADYN Project Hondo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	LITR	GRAS	SODE	CACA
	8G	0	0	0	0
	8I	0	0	0	0
Mean		.164	0	0	.004
SEP9					
	0A	0	0	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	1.00	0	0	0
	0I	0	0	0	0
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	1.00	0	0	0
	4A	2.00	0	0	0
	4C	2.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	1.00	0	1.00	0
	8C	0	0	0	0
	8E	0	0	0	0
	8G	0	0	0	0
	8I	0	0	0	0
Mean		.24[illegible]	0	.004	0
[illegible]					
	0A	0	.10	0	0
	0C	0	0	0	0
	0E	0	0	0	0
	0G	1.00	0	0	1.00
	0I	0	0	0	0
	2I	0	0	0	0
	2G	0	0	0	0
	2E	0	0	0	0
	2C	0	0	0	0
	2A	5.00	0	0	0
	4A	5.00	1.00	1.00	0
	4C	1.00	0	0	0
	4E	0	0	0	0
	4G	0	0	0	0
	4I	0	0	0	0
	6I	0	0	0	0
	6G	0	0	0	0
	6E	0	0	0	0
	6C	0	0	0	0
	6A	0	0	0	0
	8A	2.00	0	0	0
	8C	0	0	0	0
	8E	0	0	0	0
	8G	0	0	0	0
	8I	0	0	0	0
Mean		.64	.004	.004	.004

SEADYN Project. Mendo-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MA08														
	0A	34.0	18.010	2.830	0.0	.010	0.0	2	7	0	1	0	20.850	10
	0C	38.0	21.010	3.730	0.0	0.0	3.100	3	7	0	0	2	27.840	12
	0E	37.0	38.000	1.060	.110	.010	0.0	3	7	2	1	0	37.170	12
	0G	37.0	17.000	4.020	.800	0.0	.800	3	5	2	0	1	22.120	11
	0I	40.0	22.000	6.020	1.000	.010	0.0	2	5	1	1	0	29.030	8
	2I	42.0	17.100	3.520	2.010	0.0	.010	3	5	2	0	1	22.640	11
	2G	37.0	26.000	1.230	0.0	.010	0.0	2	6	0	1	0	27.240	9
	2E	38.0	18.000	7.220	.040	0.0	.800	1	7	4	0	1	25.760	13
	2C	38.0	22.100	3.030	.110	.010	0.0	3	6	2	1	0	25.250	12
	2A	37.0	25.100	3.850	.100	.010	.800	3	6	1	1	2	29.460	15
	4A	35.0	20.000	6.130	.100	.030	.810	1	6	1	3	2	28.770	15
	4C	34.0	20.010	3.140	.210	.010	1.200	3	7	3	1	3	24.570	17
	4E	34.0	30.000	2.530	.110	0.0	.800	2	5	2	0	2	33.240	11
	4G	33.0	20.010	4.020	.010	.010	.010	2	6	1	1	1	24.060	11
	4I	34.0	21.000	6.110	.110	.010	0.0	2	5	2	1	0	27.230	10
	6I	33.0	4.100	7.630	.100	.010	.100	2	6	1	1	1	11.940	13
	6G	34.0	28.000	4.630	.100	0.0	3.000	1	7	1	0	1	31.730	10
	6E	35.0	23.000	7.520	.110	.010	0.0	2	7	2	1	0	30.640	12
	6C	35.0	23.000	4.810	1.010	.020	0.0	2	7	2	2	0	28.840	14
	6A	35.0	15.000	10.130	.100	.120	.010	1	6	1	3	1	25.360	15
	8A	35.0	15.000	6.030	.100	0.0	1.000	2	6	1	0	1	22.130	16
	8C	34.0	13.000	6.710	.110	0.0	1.100	2	6	2	0	2	20.920	15
	8E	35.0	30.520	4.040	.020	.010	0.0	4	7	2	1	0	34.590	14
	8G	34.0	28.000	5.120	.110	.010	.100	4	6	2	1	1	33.340	14
	8I	34.0	15.800	4.620	1.110	.100	0.0	2	6	3	1	0	21.330	12
Mean		35.8	21.018	4.7308	.29520	.01600	.45360	2.32	6.60	.64	.88	.88	26.514	12.32
JN10														
	0A	48.0	10.000	5.210	2.330	.110	0.0	1	7	7	2	0	17.650	17
	0C	47.0	6.000	7.800	6.700	.010	2.800	1	6	7	1	2	24.710	17
	0E	45.0	18.000	4.120	2.300	.100	.100	2	7	6	1	1	24.620	17
	0G	45.0	3.010	8.100	8.110	.110	1.000	2	6	6	2	2	21.330	18
	0I	45.0	16.000	10.000	7.200	.510	0.0	2	7	5	2	0	33.710	18
	2I	48.0	6.000	6.000	8.110	.100	.010	2	5	5	1	1	20.220	14
	2G	48.0	6.000	9.100	2.500	.110	0.0	2	6	3	2	0	19.710	13
	2E	48.0	5.000	8.200	12.820	.100	.200	1	8	6	1	2	26.120	18
	2C	44.0	15.800	5.100	6.820	.510	0.0	2	6	8	2	0	27.930	18
	2A	48.0	11.000	6.100	4.600	.800	.800	2	8	8	1	2	22.800	19
	4A	47.0	18.000	16.600	11.110	.800	2.000	1	9	6	1	1	45.210	18
	4C	47.0	17.000	17.000	13.200	.500	1.200	2	8	6	1	3	48.900	20
	4E	45.0	20.000	7.800	7.100	.100	1.000	2	6	5	1	2	35.800	16
	4G	48.0	15.000	12.000	4.210	.500	0.0	1	6	5	1	0	31.710	13
	4I	52.0	21.000	8.500	3.310	.100	0.0	2	5	6	1	0	32.910	14
	6I	49.0	10.800	14.700	4.300	.100	.800	2	7	5	1	1	30.100	16
	6G	52.0	15.000	2.800	6.100	.100	3.000	1	6	3	1	1	28.000	13
	6E	50.0	22.010	11.700	5.010	.010	0.0	3	8	4	1	0	38.730	16
	6C	55.0	29.000	19.020	5.630	.120	0.0	2	8	7	3	0	53.770	20
	6A	55.0	20.000	18.800	6.520	.610	.100	1	9	5	3	1	45.830	19
	8A	45.0	18.000	12.200	3.200	.100	1.000	2	8	4	1	1	35.500	16
	8C	47.0	12.000	18.110	6.200	.100	2.100	4	9	4	1	2	38.510	20
	8E	44.0	25.820	9.600	5.210	.100	0.0	4	6	5	1	0	40.430	18
	8G	42.0	22.010	8.000	3.110	.010	.010	5	7	4	1	1	34.140	18
	8I	50.0	28.100	11.200	6.520	.100	0.0	3	6	10	1	0	46.920	20
Mean		47.6	15.868	10.442	6.1208	.20840	.61280	2.08	6.88	5.60	1.36	.92	33.050	16.84
JL10														
	0A	64.0	22.100	14.800	5.730	.110	0.0	2	8	8	2	0	42.640	20
	0C	58.0	23.100	19.600	10.810	.500	5.000	3	7	7	1	2	58.610	20
	0E	61.0	30.000	11.110	7.730	.010	0.0	3	6	8	1	0	48.850	18
	0G	64.0	15.000	12.000	18.710	.020	1.800	3	6	7	2	2	47.230	20
	0I	61.0	24.000	18.800	15.600	.620	0.0	2	7	5	4	0	58.720	18
	2I	59.0	11.000	10.600	15.100	.010	.100	3	6	6	1	1	36.810	15
	2G	57.0	30.000	14.800	12.020	.520	0.0	2	6	4	3	0	57.040	15
	2E	58.0	12.000	19.000	16.120	.100	1.800	1	6	6	1	2	48.720	18
	2C	58.0	21.800	17.800	13.610	.110	.100	3	8	8	2	1	52.620	20
	2A	57.0	27.000	16.100	8.710	.100	1.800	2	7	7	1	2	53.610	20
	4A	60.0	18.000	21.010	8.410	.510	2.010	1	8	7	2	2	47.940	21
	4C	58.0	18.000	13.000	12.800	.200	1.100	2	7	6	2	2	45.100	19
	4E	60.0	17.000	15.800	5.800	.100	.200	2	6	6	1	2	38.700	17
	4G	58.0	20.000	18.600	8.200	.100	0.0	1	6	4	1	0	42.900	12
	4I	58.0	16.000	10.100	11.800	.500	0.0	2	6	8	1	0	38.200	17
	6I	60.0	10.500	11.700	8.200	.100	0.0	2	7	4	1	0	31.500	14
	6G	57.0	18.000	14.800	12.300	.100	.800	1	7	5	1	2	42.600	16
	6E	58.0	17.000	22.100	9.210	.100	0.0	2	6	5	1	0	48.410	16
	6C	59.0	22.000	18.000	10.810	.200	.100	2	6	8	2	1	51.210	19
	6A	57.0	10.000	23.600	9.210	.210	.100	1	9	8	3	1	43.120	20
	8A	58.0	22.000	17.000	7.400	.100	.800	2	7	6	1	1	47.000	17
	8C	61.0	5.000	21.000	14.200	.500	.100	2	7	7	1	1	40.800	16
	8E	58.0	21.800	10.800	10.210	.800	0.0	4	6	7	1	0	42.710	18
	8G	60.0	19.800	10.000	5.300	.100	0.0	4	7	7	1	0	34.900	19
	8I	68.0	15.200	8.100	12.500	.800	0.0	3	6	10	1	0	37.300	20
Mean		58.5	18.278	15.493	10.808	.23680	.57640	2.24	6.84	6.40	1.52	.88	45.490	17.88
AU08														
	0A	60.0	20.100	11.300	4.020	.200	0.0	2	6	9	2	0	35.620	21
	0C	56.0	20.100	20.000	17.710	.100	2.800	2	6	8	1	2	61.410	19
	0E	56.0	30.000	9.800	6.910	.100	.010	2	6	8	1	1	46.820	18
	0G	58.0	13.000	10.600	33.200	.200	.200	3	6	8	2	2	57.200	21
	0I	58.0	27.000	16.100	25.210	.520	0.0	2	7	6	3	0	68.830	18
	2I	56.0	11.000	9.800	26.200	.100	.010	2	6	5	1	1	46.910	15
	2G	56.0	17.000	20.800	16.810	.800	0.0	1	6	4	2	0	54.610	13
	2E	58.0	10.000	23.600	21.110	.100	.200	1	6	6	1	2	55.010	18
	2C	60.0	25.000	15.100	32.700	.110	0.0	1	6	6	2	0	72.910	17
	2A	52.0	15.000	20.600	6.420	.100	.600	2	7	8	1	2	42.720	20
	4A	58.0	20.000	22.600	14.720	.800	1.000	1	9	8	1	1	58.820	20
	4C	58.0	20.800	29.200	32.310	.800	1.000	2	8	9	1	1	83.510	21
	4E	58.0	16.000	19.600	13.210	.100	.200	2	6	7	1	2	51.110	18
	4G	55.0	21.000	22.000	10.610	.800	0.0	2	6	8	1	0	54.110	14
	4I	55.0	26.100	14.200	9.310	1.000	0.0	3	7	8	1	0	50.610	17
	6I	60.0	10.010	25.800	9.000	.510	0.0	3	7	8	2	0	45.020	17
	6G	61.0	28.000	21.000	6.700	.100	4.100	2	7	5	1	2	61.900	17
	6E	55.0	32.600	19.800	11.000	.800	0.0	4	9	4	1	0	62.600	18
	6C	59.0	34.000	29.000	17.900	1.200	0.0	2	7	8	3	0	82.100	20
	6A	59.0	20.000	32.000	10.220	1.600	0.0	1	9	7	3	0	63.820	20
	8A	57.0	24.000	22.500	7.220	.100	2.000	2	8	6	1	1	55.820	18
	8C	57.0	14.000	31.000	17.000	.800	1.100	4	8	5	1	2	63.800	20
	8E	57.0	27.800	18.800	15.620	1.000	0.0	4	6	7	1	0	60.620	18

SEADYN Project Wonga-Slave Lake Stand 3
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

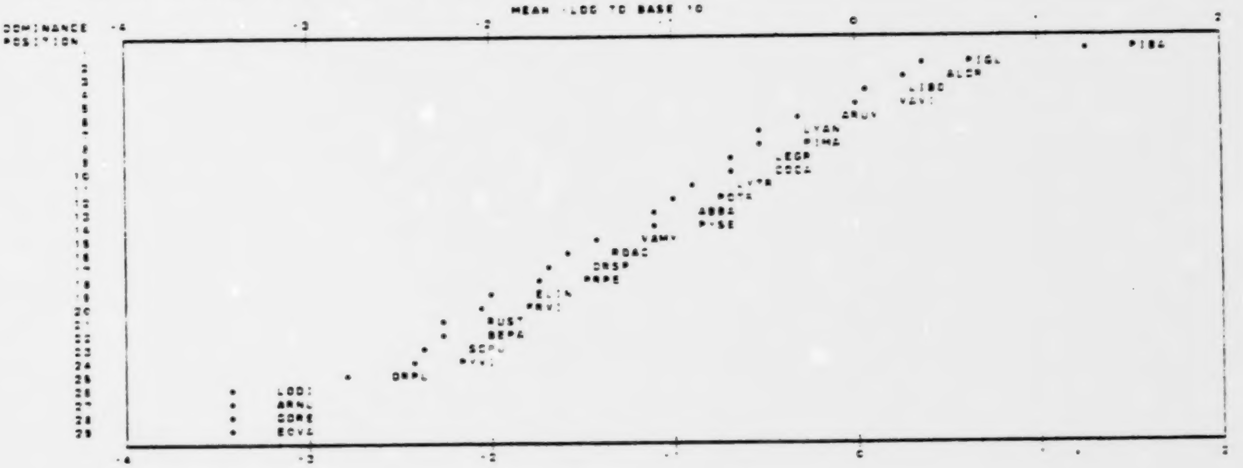
Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
	8C	58 0	32 010	14 000	5 500	500	100	5	7	6	1	1	52 110	18
	81	59 0	24 900	15 510	20 900	1 000	500	3	4	11	1	1	62 610	22
Mean		58 1	22 017	15 644	15 766	45950	58080	2 32	7 04	6 68	44	84	58 480	18 25
5E09														
	0A	55 0	22 500	15 500	350	200	0 0	2	8	8	2	0	38 550	20
	0C	52 0	15 100	19 800	2 810	100	5 000	3	7	7	1	2	42 510	20
	0E	55 0	38 000	11 800	1 730	110	100	2	6	7	2	1	51 540	19
	0C	52 0	16 000	16 000	7 800	100	800	2	8	8	1	2	40 500	18
	01	56 0	34 000	21 800	4 510	810	0 0	2	7	3	1	0	60 820	15
	21	58 0	19 000	17 100	12 700	100	0 0	2	6	6	1	0	44 900	12
	2C	53 0	25 000	19 100	130	810	0 0	2	7	6	2	0	44 740	15
	2E	57 0	12 000	20 000	2 620	010	1 100	1	8	5	1	2	35 730	17
	2C	55 0	21 100	29 000	5 120	800	0 0	3	5	8	1	0	55 720	18
	2A	52 0	24 100	29 800	3 210	800	1 500	4	7	7	1	2	49 810	21
	4A	56 0	20 000	28 500	1 310	610	2 000	1	9	6	3	1	52 420	20
	4C	52 0	18 000	22 000	1 800	1 000	2 000	2	8	5	1	1	45 800	18
	4E	56 0	22 000	22 500	1 400	100	100	2	9	6	1	1	47 100	15
	4C	57 0	25 500	22 000	100	800	500	2	8	7	1		48 800	11
	6:	56 0	15 100	12 000	1 300	500	0 0	2	5	5	1	0	29 900	12
	61	58 0	4 000	29 500	400	100	500	1	7	4	1	1	34 500	14
	6C	56 0	17 000	22 100	900	100	1 100	1	7	5	1	2	42 200	15
	6E	58 0	21 000	15 700	1 100	1 000	0 0	2	9	3	1	0	38 800	15
	6C	57 0	17 000	22 800	1 820	1 100	100	2	8	8	3		42 720	19
	6A	55 0	17 000	22 800	900	700	100	1	9	5	3	1	41 300	19
	8A	55 0	16 000	22 100	400	500	000	2	8	6	1		40 300	16
	8C	55 0	7 500	22 500	500	500	600	2	8	8	1	2	42 800	19
	8E	55 0	21 500	15 000	1 400	000	0 0	4	8	5	1	0	38 900	11
	8C	56 0	19 000	16 500	2 210	500	0 0	4	8	5	1	7	40 210	18
	81	56 0	20 100	14 100	2 820	1 000	100	3	7	9		1	39 120	21
Mean		55 2	12 780	20 588	2 4875	47900	89500	2 28	5 96	5 44	1 40	84	44 300	14 96
2209														
	0A	46 0	15 010	4 220	022	020	0 0	2	8	2	3	0	19 280	15
	0C	43 0	20 500	5 700	010	100	4 500	2	5	1	1	2	32 810	12
	0E	42 0	22 000	2 510	820	100	0 0	3	8	2	1	0	26 230	12
	0C	42 0	7 000	2 300	7 800	200	100	3	8	2	2	0	19 100	18
	01	42 0	27 000	6 000	600	100	0 0	2	7	2	1	0	33 700	12
	21	42 0	9 000	2 700	5 300	010	100	2	5	4	1	1	18 [illegible]	12
	2C	42 0	12 000	4 100	120	120	0 0	2	6	2	3	10	16 340	16
	2E	42 0	5 000	8 800	210	100	200	1	8	4	1	2	14 410	18
	2C	42 0	15 000	5 700	1 200	100	0 0	1	6	2	1	0	22 000	
	2A	44 0	12 000	5 700	20	100	1 000	2	7	3	1	2	18 820	15
	4A	44 0	15 000	6 710	710	610	500		9	6	2		28 830	18
	4C	43 0	14 00	7 000	710	500	200	3	8	6		2	22 510	17
	4E	44 0	28 100	7 000	120	0 0	2 000	2	6	2	0	2	38 220	14
	4C	42 0	20 000	12 000	010	100	0 0		8	1		0	62 110	9
	6:	42 0	27 000	10 200	200	100	0 0	2	7	3		0	37 500	12
	61	44 0	8 510	17 800	610	100	0 0	2	7	2		0	21 720	14
	6C	44 0	30 000	9 700	300	500	2 000		7	3			42 500	2
	6E	44 0	22 010	12 810	200	010	0 0	2	9	3		0	38 830	6
	6C	44 0	34 000	17 500	2 520	510	0 0	2	5	4	2	0	54 520	14
	6A	45 0	20 000	20 100	620	110	100		9	4	2		41 930	8
	8A	45 0	21 000	12 110	530	100	2 000	2	8	4			42 740	18
	8C	45 0	12 100	20 200	510	500	00	4	8	2		1	33 410	11
	8E	43 0	23 000	10 000	610	500	0 0	3	5	3	1	2	44 10	12
	8C	42 0	23 000	18 300	830	100	0 0	4	6	4		0	48 720	19
	81	45 0	21 010	15 000	4 220	500	1 000	3	8	5	1	1	51 720	18
Mean		43 4	20 294	9 8544	1 71 8	24800	83200	2 20	5 64	2 04	36	80	22 200	4 74

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey   04/17/83   PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S382V   (CREATION DATE = 04/17/83)   Stand 3 (82), old Jack Pine 1982 Vascular Cover % Data (5x5 m)
SUBFILE MAO9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Betula papyrifera	BEPA	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Pinus banksiana	PIBA	25	100.000	16.06000	5.90647	1.18169	0.06536	4.00000	30.00000
Picea glauca	PIGL	25	76.000	2.46440	3.14528	0.62906	0.25526	0.0	13.00000
Picea mariana	PIMA	25	24.000	0.28640	0.88837	0.17767	0.61507	0.0	4.00000
Populus tremuloides	POTR	25	12.000	0.10040	0.40815	0.08163	0.81305	0.0	2.00000
Alnus crispa	ALCR	25	96.000	1.84000	1.08704	0.21741	0.11816	0.0	4.00000
Amelanchier alnifolia	AMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arctostaphylos uva-ursi	ARUV	25	40.000	0.49240	1.10809	0.22162	0.45008	0.0	4.00000
Ledum groenlandicum	LEGR	25	24.000	0.20440	0.49857	0.09971	0.48783	0.0	2.00000
Lonicera dioica	LODI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Prunus pensylvanica	PRPE	25	48.000	0.01920	0.03628	0.00726	0.37788	0.0	0.10000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	0.02800	0.03674	0.00735	0.26245	0.01000	0.10000
Rubus strigosus	RUST	25	56.000	0.00560	0.00507	0.00101	0.18094	0.0	0.01000
Vaccinium myrtilloides	VAMY	25	52.000	0.03600	0.09992	0.01998	0.55501	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	100.000	0.99640	0.77647	0.15529	0.15586	0.01000	3.00000
Viburnum edule	VIED	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone patens	ANPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Campanula rotundifolia	CARO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	24.000	0.20440	0.47721	0.09544	0.46694	0.0	2.00000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	20.000	0.00920	0.02753	0.00551	0.59831	0.0	0.10000
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodyera repens	GORE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	100.000	1.10840	0.96946	0.19389	0.17493	0.01000	3.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	64.000	0.07680	0.10057	0.02011	0.26190	0.0	0.50000
Pyrola virens	PYVI	25	40.000	0.00400	0.00500	0.00100	0.25000	0.0	0.01000
Rubus pubescens	RUPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola adunca	VIAD	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex foenea	CXFO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex umbellata	CXUM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	64.000	0.01000	0.01936	0.00387	0.38730	0.0	0.10000
Oryzopsis pungens	ORPU	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Schizachne purpurascens	SCPU	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Dryopteris spinulosa	DRSP	25	24.000	0.02040	0.04057	0.00811	0.39772	0.0	0.10000
Equisetum variegatum	EQVA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lycopodium annotinum	LYAN	25	44.000	0.31280	0.71688	0.14338	0.45836	0.0	3.00000
Lycopodium tristachyum	LYTR	25	16.000	0.12000	0.29861	0.05972	0.49768	0.0	1.00000
Oryzopsis asperifolia	ORAS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solidago decumbens	SODE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 29 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4824
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.2938 (NATURAL LOGARITHMS)

29 OF THE 52 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 25.5140

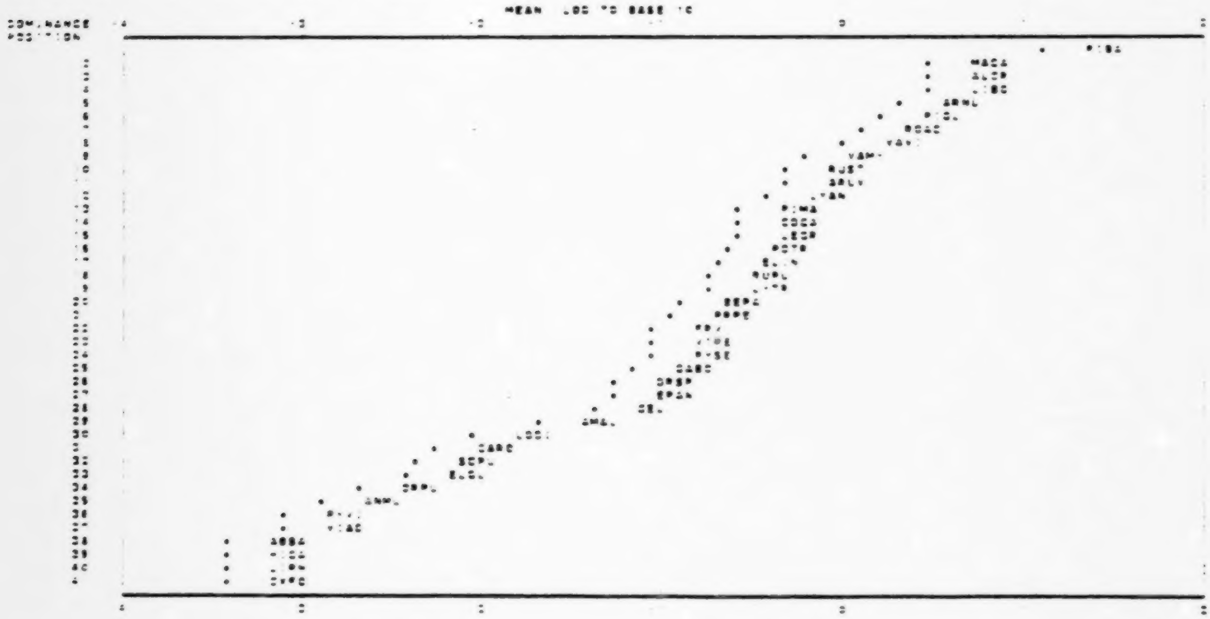


Hondo-Slave Lake Stand 2 1982 Vascular Monthly Survey 04/17/83 PAGE 3
Descriptive Statistics for Each Species Variable and the Stand
FILE 5362 CREATION DATE = 04/17/83) Stand 2 (82), Old Jack Pine: 1982 Vascular Cover % Data 9x5 m
SUBFILE UNIC

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Betula papyrifera	BEPA	25	24.000	0.12520	0.43867	0.08773	0.70076	0.0	2.00000
Pinus banksiana	PIBA	25	100.000	13.32000	8.90645	1.78129	0.13373	2.00000	25.00000
Picea glauca	PIGL	25	60.000	1.70000	3.15542	0.63104	0.37120	0.0	15.00000
Picea mariana	PIMA	25	8.000	0.28000	1.20830	0.24166	0.86307	0.0	6.00000
Populus tremuloides	POTR	25	12.000	0.24040	0.82054	0.16411	0.68267	0.0	3.00000
Alnus crispa	ALCR	25	88.000	3.08000	1.92831	0.38566	0.12521	0.0	6.00000
Amelanchier alnifolia	AMAL	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Arctostaphylos uva-ursi	ARUV	25	40.000	0.50480	1.14363	0.22873	0.45310	0.0	4.00000
Ledum groenlandicum	LEGR	25	30.000	0.28400	0.72220	0.14444	0.50712	0.0	3.00000
Lonicera dioica	LODI	25	16.000	0.00880	0.02758	0.00552	0.62686	0.0	0.10000
Prunus pensylvanica	PRPE	25	32.000	0.11640	0.28514	0.05703	0.48994	0.0	1.00000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	88.000	1.22000	0.84261	0.16852	0.13813	0.0	3.00000
Rubus strigosus	RUST	25	84.000	0.50840	0.64404	0.12880	0.25336	0.0	3.00000
Vaccinium myrtilloides	VAMY	25	100.000	0.62800	0.52877	0.10575	0.16840	0.10000	2.00000
Vaccinium vitis-idaea	VAVI	25	100.000	1.22200	0.98223	0.19645	0.16035	0.10000	5.00000
Viburnum edule	VIED	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Anemone patens	ANPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	100.000	2.06400	1.01588	0.20318	0.09843	0.10000	4.00000
Campanula rotundifolia	CARO	25	16.000	0.00520	0.02003	0.00400	0.77013	0.0	0.10000
Cornus canadensis	COCA	25	28.000	0.25800	0.66063	0.13213	0.51213	0.0	3.00000
Epilobium angustifolium	EPAN	25	24.000	0.05240	0.13866	0.02773	0.52925	0.0	0.50000
Fragaria virginiana	FRVI	25	12.000	0.08800	0.39929	0.07986	0.90748	0.0	2.00000
Galium boreale	GABO	25	64.000	0.07320	0.10132	0.02026	0.27684	0.0	0.50000
Geocaulon lividum	GELI	25	40.000	0.34520	1.01392	0.20279	0.58746	0.0	5.00000
Goodyera repens	GORE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Linnaea borealis	LIBO	25	100.000	3.36000	2.18098	0.43620	0.12982	0.50000	10.00000
Lilium philadelphicum	LIPH	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Maianthemum canadense	MACA	25	100.000	2.18000	2.19224	0.43845	0.20112	1.00000	10.00000
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	52.000	0.06400	0.13441	0.02688	0.42003	0.0	0.50000
Pyrola virens	PYVI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Rubus pubescens	RUPU	25	36.000	0.19200	0.34511	0.06902	0.35949	0.0	1.00000
Viola adunca	VIAD	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Viola renifolia	VIRE	25	48.000	0.08520	0.16167	0.03233	0.37947	0.0	0.50000
Carex foenea	CXFO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex umbellata	CXUM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	100.000	1.19760	1.19518	0.23904	0.19958	0.01000	5.00000
Oryzopsis pungens	ORPU	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Schizachne purpurascens	SCPU	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Dryopteris spinulosa	DRSP	25	24.000	0.05600	0.13868	0.02774	0.49536	0.0	0.50000
Equisetum variegatum	EQVA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium annotinum	LYAN	25	52.000	0.37680	0.77702	0.15541	0.41244	0.0	3.00000
Lycopodium tristachyum	LYTR	25	16.000	0.18000	0.47610	0.09522	0.52899	0.0	2.00000
Oryzopsis asperifolia	ORAS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solidago decumbens	SODE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 41 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.1891
SHANNON-WEAVER INDEX OF DIVERSITY (H') = 2.2285 NATURAL LOGARITHMS

41 OF THE 52 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 30.0504

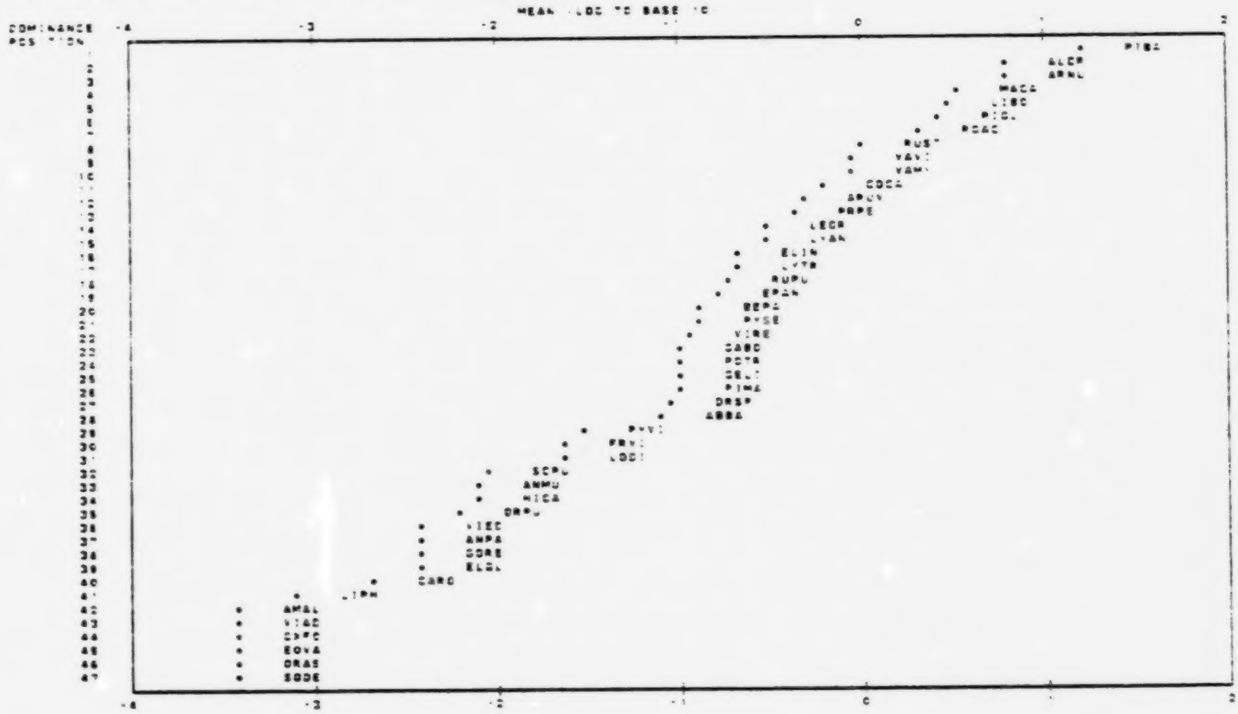


Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S382V CREATION DATE = 04/17/83 Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Betula papyrifera	BEPA	25	28.000	0.13200	0.29541	0.05908	0.44759	0.0	1.00000
Pinus banksiana	PIBA	25	100.000	15.36000	5.36874	1.07375	0.0699[illegible]	4.00000	25.00000
Picea glauca	PIGL	25	72.000	2.80000	3.54436	0.70887	0.27264	0.0	15.00000
Picea mariana	PIMA	25	8.000	0.10000	0.40825	0.08165	0.81650	0.0	2.00000
Populus tremuloides	POTR	25	12.000	0.10400	0.40772	0.08154	0.78407	0.0	2.00000
Alnus crispa	ALCR	25	100.000	6.42000	3.49905	0.69981	0.10900	0.50000	15.00000
Amelanchier alnifolia	AMAL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Arctostaphylos uva-ursi	ARUV	25	28.000	0.50400	1.21488	0.24298	0.48201	0.0	4.00000
Ledum groenlandicum	LEGR	25	24.000	0.28400	0.72150	0.14430	0.50810	0.0	3.00000
Lonicera dioica	LODI	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Prunus pensylvanica	PRPE	25	32.000	0.40800	0.98654	0.19731	0.48360	0.0	4.00000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	88.000	2.08400	1.14444	0.22889	0.10983	0.0	5.00000
Rubus strigosus	RUST	25	88.000	0.94840	0.98486	0.19699	0.20771	0.0	4.00000
Vaccinium myrtilloides	VAMY	25	100.000	0.90400	0.55263	0.11053	0.12226	0.10000	2.00000
Vaccinium vitis-idaea	VAVI	25	100.000	0.91200	0.69181	0.13836	0.15171	0.10000	3.00000
Viburnum edule	VIED	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Anemone patens	ANPA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Aralia nudicaulis	ARNU	25	100.000	6.12000	2.57099	0.51420	0.08402	1.00000	12.00000
Campanula rotundifolia	CARO	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cornus canadensis	COCA	25	24.000	0.52000	1.34848	0.26969	0.43491	0.0	5.00000
Epilobium angustifolium	EPAN	25	36.000	0.16800	0.27495	0.05499	0.32733	0.0	1.00000
Fragaria virginiana	FRVI	25	12.000	0.02440	0.10108	0.02022	0.82853	0.0	0.50000
Galium boreale	GABO	25	64.000	0.10480	0.15621	0.03124	0.29811	0.0	0.50000
Geocaulon lividum	GELI	25	52.000	0.10040	0.21380	0.04276	0.42610	0.0	1.00000
Goodyera repens	GORE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Hieracium canadense	HICA	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Linnaea borealis	LIBO	25	100.000	2.00000	1.47196	0.28431	0.09813	1.00000	8.00000
Lilium philadelphicum	LIPH	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Maianthemum canadense	MACA	25	100.000	2.20000	1.32288	0.26458	0.08264	1.00000	6.00000
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	56.000	0.12000	0.17559	0.03512	0.29266	0.0	0.50000
Pyrola virens	PYVI	25	36.000	0.02880	0.04540	0.00908	0.31527	0.0	0.10000
Rubus pubescens	RUPU	25	48.000	0.18080	0.41997	0.08399	0.46457	0.0	2.00000
Viola adunca	VIAD	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Viola renifolia	VIRE	25	52.000	0.11280	0.22932	0.04586	0.40660	0.0	1.00000
Carex foenea	CAFO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex umbellata	CAUM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	100.000	0.21720	0.20009	0.04002	0.18425	0.01000	0.50000
Oryzopsis pungens	ORPU	25	24.000	0.00600	0.01200	0.00240	0.66667	0.0	0.10000
Schizachne purpurascens	SCPU	25	16.000	0.00880	0.02759	0.00552	0.62696	0.0	0.10000
Dryopteris spinulosa	DRSP	25	24.000	0.09200	0.23438	0.04688	0.50952	0.0	1.00000
Equisetum variegatum	EQVA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lycopodium annotinum	LYAN	25	40.000	0.28400	0.82395	0.16479	0.58025	0.0	4.00000
Lycopodium tristachyum	LYTR	25	20.000	0.20000	0.47871	0.09574	0.47871	0.0	2.00000
Oryzopsis asperifolia	ORAS	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Solidago decumbens	SODE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 47 POSITIVE MEANS SIMPSON S INDEX OF DOMINANCE CONCENTRATION C = 0.1685
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.2759 (NATURAL LOGARITHMS)

47 OF THE 52 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 45.4488

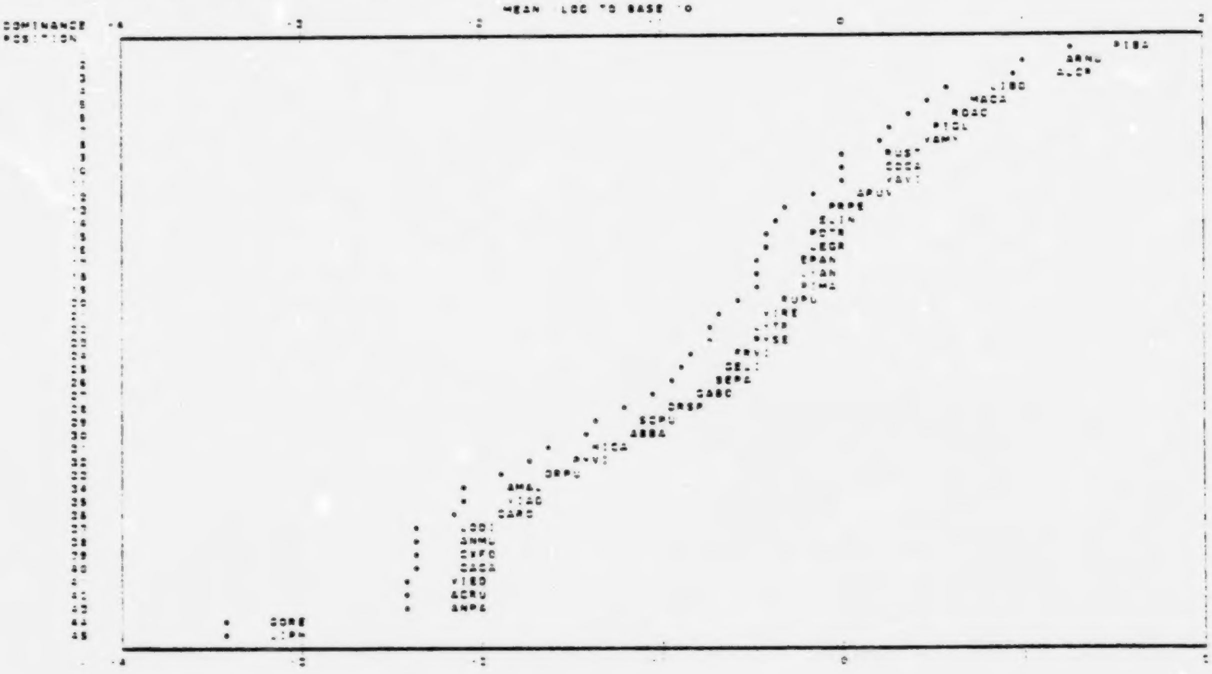


Mongo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S382V (CREATION DATE = 04/17/83) Stand 3 83 % old Jack Pine: 1982 Vascular Cover % Data (5x5 m)
SUBFILE AUG9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.04000	0.20000	0.04000	1.00000	-0.0	1.00000
Betula papyrifera	BEPA	25	32.000	0.11240	0.24700	0.04940	0.4395	-0.0	1.00000
Pinus banksiana	PIBA	25	100.000	19.36000	7.47708	1.49542	0.07724	5.00000	30.00000
Picea glauca	PIGL	25	80.000	1.80000	2.32737	0.46547	0.25860	-0.0	10.00000
Picea mariana	PIMA	25	8.000	0.32000	1.24900	0.24980	0.78062	-0.0	5.00000
Populus tremuloides	POTR	25	28.000	0.38440	1.07172	0.21434	0.55761	-0.0	5.00000
Alnus crispa	ALCR	25	100.000	8.46000	4.65467	0.93091	0.11004	0.50000	17.00000
Amelanchier alnifolia	AMAL	25	8.000	0.00800	0.02765	0.00554	0.69222	-0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	40.000	0.68800	1.36453	0.27291	0.39668	-0.0	5.00000
Ledum groenlandicum	LEGR	25	20.000	0.38400	1.03226	0.20645	0.53764	-0.0	4.00000
Lonicera dioica	LODI	25	8.000	0.00440	0.02002	0.00400	0.90985	-0.0	0.10000
Prunus pensylvanica	PRPE	25	28.000	0.48000	0.70593	0.14119	0.29412	-0.0	2.00000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Rosa acicularis	ROAC	25	100.000	2.28000	1.43701	0.28740	0.12717	0.50000	5.00000
Rubus strigosus	RUST	25	52.000	1.04800	0.92562	0.18512	0.17664	-0.0	3.00000
Vaccinium myrtilloides	VAMY	25	100.000	1.70000	1.20761	0.24152	0.14207	0.50000	4.00000
Vaccinium vitis-idaea	VAVI	25	100.000	0.98800	0.91666	0.18333	0.18556	0.10000	3.00000
Viburnum edule	VIED	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Actaea rubra	ACRU	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Anemone multifida	ANMU	25	8.000	0.00440	0.02002	0.00400	0.90985	-0.0	0.10000
Anemone patens	ANPA	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Aralia nudicaulis	ARNU	25	100.000	10.18000	6.51741	1.30348	0.12804	0.50000	25.00000
Campanula rotundifolia	CARO	25	36.000	0.00720	0.01990	0.00398	0.55277	-0.0	0.10000
Cornus canadensis	COCA	25	24.000	1.04000	2.18861	0.43772	0.42089	-0.0	7.00000
Epilobium angustifolium	EPAN	25	28.000	0.34440	0.67068	0.13413	0.38947	-0.0	3.00000
Fragaria virginiana	FRVI	25	20.000	0.14400	0.42040	0.08408	0.58388	-0.0	2.00000
Galium boreale	GABO	25	64.000	0.06240	0.13178	0.02636	0.42519	-0.0	0.50000
Geocaulon lividum	GELI	25	40.000	0.12400	0.24372	0.04874	0.39310	-0.0	1.00000
Goodyera repens	GORE	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
Hieracium canadense	HICA	25	24.000	0.02400	0.04359	0.00872	0.36324	-0.0	0.10000
Linnaea borealis	LIBO	25	100.000	3.84000	2.40884	0.48177	0.12225	0.50000	10.00000
Lilium philadelphicum	LIPH	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
Maianthemum canadense	MACA	25	100.000	2.14000	1.49033	0.29807	0.12040	0.50000	10.00000
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Pyrola secunda	PYSE	25	64.000	0.17280	0.25684	0.05138	0.29732	-0.0	1.00000
Pyrola virens	PYVI	25	32.000	0.01760	0.03689	0.00738	0.41917	-0.0	0.10000
Rubus pubescens	RUPU	25	36.000	0.26400	0.47948	0.09590	0.36324	-0.0	2.00000
Viola adunca	VIAD	25	8.000	0.00800	0.02769	0.00554	0.69222	-0.0	0.10000
Viola renifolia	VIRE	25	60.000	0.19680	0.23469	0.04694	0.23851	-0.0	0.50000
Carex foenea	CXFO	25	8.000	0.00440	0.02002	0.00400	0.90985	-0.0	0.10000
Carex umbellata	CXUM	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Elymus glaucus	ELGL	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Elymus innovatus	ELIN	25	100.000	0.40400	0.32465	0.06493	0.16072	0.10000	1.00000
Oryzopsis pungens	ORPU	25	20.000	0.01280	0.03298	0.00660	0.51521	-0.0	0.10000
Schizachne purpurascens	SCPU	25	8.000	0.04400	0.20017	0.04003	0.90985	-0.0	1.00000
Dryopteris spinulosa	DRSP	25	28.000	0.06000	0.13844	0.02769	0.46148	-0.0	0.50000
Equisetum variegatum	EQVA	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Lycopodium annotinum	LYAN	25	36.000	0.33640	0.98328	0.19666	0.58390	-0.0	4.00000
Lycopodium tristachyum	LYTR	25	20.000	0.18400	0.47494	0.09499	0.51624	-0.0	2.00000
Oryzopsis asperifolia	ORAS	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Solidago decumbens	SODE	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Calamagrostis canadensis	CACA	25	8.000	0.00440	0.02002	0.00400	0.90985	-0.0	0.10000

BASED ON 45 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1723
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.2699 NATURAL LOGARITHMS

45 OF THE 52 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 58.4800

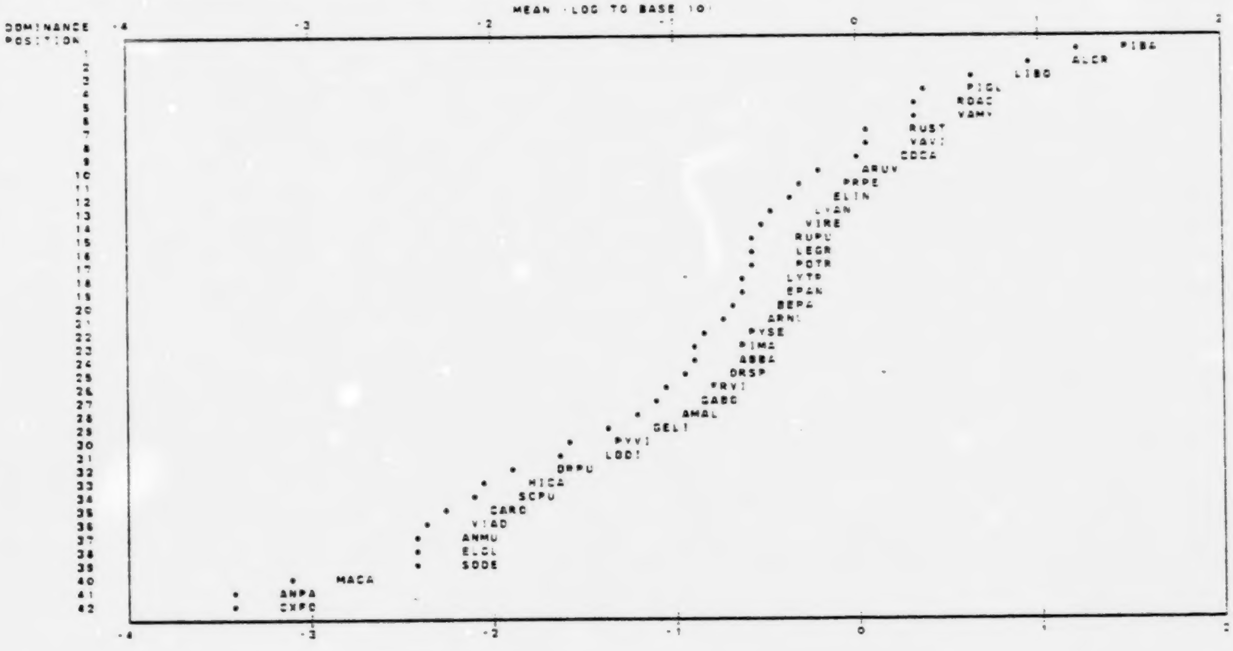


Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S382V (CREATION DATE = 04/17/83 Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE SE09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Betula papyrifera	BEPA	25	28.000	0.20800	0.47603	0.09521	0.45772	0.0	2.00000
Pinus banksiana	PIBA	25	100.000	16.84000	6.90821	1.38164	0.08205	4.00000	30.00000
Picea glauca	PIGL	25	68.000	2.22000	2.96887	0.59377	0.26747	0.0	12.00000
Picea mariana	PIMA	25	12.000	0.12800	0.59897	0.11979	0.93589	0.0	3.00000
Populus tremuloides	POTR	25	16.000	0.25400	0.82960	0.16592	0.65324	0.0	3.00000
Alnus crispa	ALCR	25	100.000	8.56000	4.53762	0.90752	0.10602	2.00000	20.00000
Amelanchier alnifolia	AMAL	25	8.000	0.06000	0.21785	0.04357	0.73283	0.0	1.00000
Arctostaphylos uva-ursi	ARUV	25	36.000	0.63600	1.64785	0.32959	0.51822	0.0	7.00000
Ledum groenlandicum	LEGR	25	28.000	0.27200	0.71968	0.14394	0.52917	0.0	3.00000
Lonicera dioica	LODI	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Prunus pensylvanica	PRPE	25	36.000	0.48400	0.98221	0.19644	0.40587	0.0	3.00000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	2.14000	1.01571	0.20314	0.09493	0.50000	4.00000
Rubus strigosus	RUST	25	80.000	1.18000	1.28193	0.25639	0.21728	0.0	5.00000
Vaccinium myrtilloides	VAMY	25	100.000	1.98400	1.12460	0.22492	0.11337	0.10000	4.00000
Vaccinium vitis-idaea	VAVI	25	100.000	1.08800	0.88803	0.17761	0.16324	0.10000	3.00000
Viburnum edule	VIED	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Anemone patens	ANPA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Aralia nudicaulis	ARNU	25	68.000	0.18440	0.28940	0.05788	0.31388	0.0	1.00000
Campanula rotundifolia	CARO	25	20.000	0.00560	0.02002	0.00400	0.71488	0.0	0.10000
Cornus canadensis	COCA	25	28.000	1.04400	2.69847	0.53969	0.51695	0.0	13.00000
Epilobium angustifolium	EPAN	25	36.000	0.22800	0.38028	0.07605	0.33358	0.0	1.00000
Fragaria virginiana	FRVI	25	20.000	0.08800	0.23509	0.04702	0.53429	0.0	1.00000
Galium boreale	GABO	25	68.000	0.07840	0.13493	0.02699	0.34421	0.0	0.50000
Geocaulon lividum	GELI	25	32.000	0.04440	0.10425	0.02085	0.46958	0.0	0.50000
Goodyera repens	GORE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Linnaea borealis	LIBO	25	100.000	4.16000	2.01412	0.40282	0.09683	1.00000	10.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	64.000	0.14800	0.23473	0.04695	0.31721	0.0	1.00000
Pyrola virens	PYVI	25	40.000	0.02560	0.04283	0.00857	0.33457	0.0	0.10000
Rubus pubescens	RUPU	25	52.000	0.28000	0.47170	0.09434	0.33693	0.0	2.00000
Viola adunca	VIAD	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Viola renifolia	VIRE	25	68.000	0.30840	0.46513	0.09303	0.30164	0.0	2.00000
Carex foenea	CXFO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex umbellata	CXUM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	100.000	0.45240	0.33624	0.06725	0.14865	0.01000	1.00000
Oryzopsis pungens	ORPU	25	24.000	0.01320	0.03288	0.00658	0.49816	0.0	0.10000
Schizachne purpurascens	SCPU	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Dryopteris spinulosa	DRSP	25	28.000	0.11600	0.28531	0.05706	0.49191	0.0	1.00000
Equisetum variegatum	EQVA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium annotinum	LYAN	25	40.000	0.33600	1.00452	0.20090	0.59792	0.0	5.00000
Lycopodium tristachyum	LYTR	25	20.000	0.24400	0.59587	0.11917	0.48842	0.0	2.00000
Oryzopsis asperifolia	ORAS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Solidago decumbens	SODE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 42 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION, C = 0.2029
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 2.1792 (NATURAL LOGARITHMS)

42 OF THE 52 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 43.9986

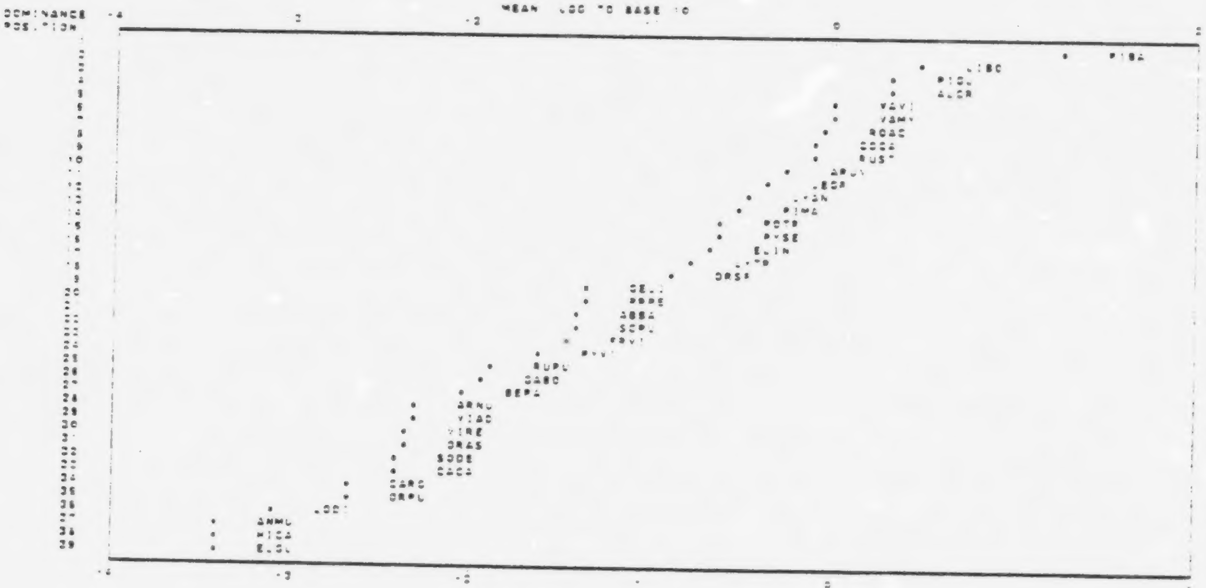


Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 12
Descriptive Statistics for Each Species Variable and the Stand
FILE S382V (CREATION DATE = 04/17/83) Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE 0C09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Betula papyrifera	BEPA	25	16.000	0.00880	0.02759	0.00552	0.62698	0.0	0.10000
Pinus banksiana	PIBA	25	100.000	17.60000	9.31397	1.86279	0.10584	2.00000	30.00000
Picea glauca	PIGL	25	68.000	2.12000	2.34645	0.46929	0.22135	0.0	10.00000
Picea mariana	PIMA	25	12.000	0.28040	1.06134	0.21227	0.75702	0.0	5.00000
Populus tremuloides	POTR	25	20.000	0.24440	0.82958	0.16592	0.67887	0.0	4.00000
Alnus crispa	ALCR	25	100.000	2.10400	1.33993	0.26799	0.12737	0.10000	5.00000
Amelanchier alnifolia	AMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arctostaphylos uva-ursi	ARUV	25	36.000	0.57200	1.31261	0.26252	0.45895	0.0	5.00000
Ledum groenlandicum	LEGR	25	20.000	0.42400	1.18613	0.23723	0.55949	0.0	5.00000
Lonicera dioica	LODI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Prunus pensylvanica	PRPE	25	28.000	0.04040	0.10384	0.02077	0.51407	0.0	0.50000
Prunus virginiana	PRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	100.000	0.85480	0.88655	0.17731	0.20743	0.01000	3.00000
Rubus strigosus	RUST	25	92.000	0.74000	0.71764	0.14353	0.19396	0.0	3.00000
Vaccinium myrtilloides	VAMY	25	100.000	1.00840	0.89206	0.17841	0.17693	0.01000	4.00000
Vaccinium vitis-idaea	VAVI	25	100.000	1.03600	0.92326	0.18465	0.17823	0.10000	4.00000
Viburnum edule	VIED	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anemone multifida	ANMU	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Anemone patens	ANPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Campanula rotundifolia	CARO	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cornus canadensis	COCA	25	32.000	0.79200	1.93219	0.38643	0.48792	0.0	1.00000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	20.000	0.03240	0.10285	0.02057	0.63485	0.0	0.50000
Galium boreale	GABO	25	36.000	0.01080	0.02722	0.00544	0.50410	0.0	0.10000
Geocaulon lividum	GELI	25	24.000	0.04520	0.13833	0.02767	0.61207	0.0	0.50000
Goodyera repens	GORE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Linnaea borealis	LIBO	25	100.000	2.06400	1.99532	0.39906	0.19335	0.10000	5.00000
Lilium philadelphicum	LIPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melampyrum lineare	MELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	72.000	0.23600	0.26598	0.05318	0.22539	0.0	1.00000
Pyrola virens	PYVI	25	80.000	0.02200	0.04000	0.00800	0.36364	0.0	0.10000
Rubus pubescens	RUPU	25	16.000	0.01240	0.03308	0.00662	0.53344	0.0	0.10000
Viola adunca	VIAD	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Viola renifolia	VIRE	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Carex foenea	CXFO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex umbellata	CXUM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	96.000	0.18720	0.19555	0.03912	0.18826	0.0	0.50000
Oryzopsis pungens	ORPU	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Schizachne purpurascens	SCPU	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Dryopteris spinulosa	DRSP	25	24.000	0.12800	0.29654	0.05931	0.46334	0.0	1.00000
Equisetum variegatum	EQVA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium annotinum	LYAN	25	36.000	0.34000	0.89350	0.17870	0.52559	0.0	4.00000
Lycopodium tristachyum	LYTR	25	20.000	0.16400	0.44898	0.08979	0.54751	0.0	2.00000
Oryzopsis asperifolia	ORAS	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Solidago decumbens	SODE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Calamagrostis canadensis	CACA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000

BASED ON 39 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2212
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.8398 NATURAL LOGARITHMS

39 OF THE 52 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 32.1988



Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S382V (CREATION DATE = 04/17/83) Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE MA05

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	35.64000	2.32522	0.46504	0.01305	33.00000	43.00000
Tree Cover %	TREECV	25	100.000	21.01840	6.51157	1.30231	0.06196	4.10000	36.00000
Shrub Cover %	SHRBCV	25	100.000	4.73080	2.10801	0.42160	0.08912	1.05000	10.13000
Forb Cover %	FORBCV	25	88.000	0.29520	0.48542	0.09718	0.32915	0.0	2.01000
Graminoid Cover %	GRAMCV	25	68.000	0.01600	0.02930	0.00586	0.36622	0.0	0.12000
Pteridophyte Cover %	PTERCV	25	60.000	0.45360	0.75323	0.15065	0.33211	0.0	3.10000
Tree Species Richness	TREERP	25	100.000	2.32000	0.85245	0.17049	0.07349	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	6.60000	1.11803	0.22361	0.03388	5.00000	9.00000
Forb Species Richness	FORBRP	25	88.000	1.64000	0.99499	0.19900	0.12134	0.0	4.00000
Graminoid Species Richness	GRAMRP	25	68.000	0.88000	0.83267	0.16653	0.18924	0.0	3.00000
Pteridophyte Species Richness	PTERRP	25	80.000	0.88000	0.88129	0.17626	0.20029	0.0	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	26.51397	5.44057	1.08811	0.04104	17.93999	37.16997
Total Vascular Species Richness	TOTLRP	25	100.000	12.32000	2.15484	0.43097	0.03498	9.00000	17.00000

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S382V (CREATION DATE = 04/17/83) Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JN10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	47.60000	3.30404	0.66081	0.01388	43.00000	55.00000
Tree Cover %	TREECV	25	100.000	15.68600	6.99622	1.39924	0.08932	3.01000	29.00000
Shrub Cover %	SHRBCV	25	100.000	10.44240	4.59282	0.91856	0.08797	3.60000	18.01999
Forb Cover %	FORBCV	25	100.000	6.12080	2.97609	0.59522	0.09725	2.30000	12.20000
Graminoid Cover %	GRAMCV	25	100.000	0.20840	0.20078	0.04016	0.19269	0.01000	0.61000
Pteridophyte Cover %	PTERCV	25	60.000	0.61280	0.89866	0.17973	0.29330	0.0	3.00000
Tree Species Richness	TREERP	25	100.000	2.08000	1.03763	0.20753	0.09977	1.00000	5.00000
Shrub Species Richness	SHRBRP	25	100.000	6.88000	1.20139	0.24028	0.03492	5.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	5.60000	1.63299	0.32660	0.05832	3.00000	10.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.36000	0.63770	0.12754	0.09378	1.00000	3.00000
Pteridophyte Species Richness	PTERRP	25	80.000	0.92000	0.90921	0.18184	0.19765	0.0	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	33.05038	9.82090	1.96418	0.05943	17.64998	52.75997
Total Vascular Species Richness	TOTLRP	25	100.000	16.84000	2.32164	0.46433	0.02757	12.00000	20.00000

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE S382V (CREATION DATE = 04/17/83) Stand 3 (82 y old Jack Pine) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JL10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	59.48000	2.63186	0.52637	0.00885	57.00000	68.00000
Tree Cover %	TREECV	25	100.000	18.37600	6.19854	1.23971	0.06746	5.00000	30.00000
Shrub Cover %	SHRBCV	25	100.000	15.49280	4.21466	0.84293	0.05441	5.10000	23.59999
Forb Cover %	FORBCV	25	100.000	10.80760	3.53869	0.70774	0.06549	5.30000	18.70998
Graminoid Cover %	GRAMCV	25	100.000	0.23680	0.20432	0.04086	0.17257	0.01000	0.62000
Pteridophyte Cover %	PTERCV	25	56.000	0.57640	1.10669	0.22134	0.38400	0.0	5.00000
Tree Species Richness	TREERP	25	100.000	2.24000	0.87939	0.17588	0.07852	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	6.84000	0.94340	0.18868	0.02758	6.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	6.40000	1.55456	0.31091	0.04858	4.00000	10.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.52000	0.82260	0.16452	0.10824	1.00000	4.00000
Pteridophyte Species Richness	PTERRP	25	56.000	0.88000	0.88129	0.17626	0.20029	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	45.48958	7.32001	1.46400	0.03218	31.49998	58.50997
Total Vascular Species Richness	TOTLRP	25	100.000	17.88000	2.24202	0.44840	0.02508	12.00000	21.00000

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 17
Statistics for Soil Temperature and Synthetic Variables
FILE S382V CREATION DATE = 04/17/83 Stand 3 62 y old Jack Pine 1982 Vascular Cover % Data 5x5 m
SUBFILE AUG9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	58.08000	1.44108	0.28821	0.00498	56.00000	61.00000
Tree Cover %	TREECV	25	100.000	22.01880	7.33170	1.46634	0.06660	10.00000	34.00000
Shrub Cover %	SHRBCV	25	100.000	19.64640	6.49152	1.29831	0.06609	9.60000	32.00000
Forb Cover %	FORBCV	25	100.000	15.76829	8.6975	1.73950	0.11022	4.02000	32.3858
Graminoid Cover %	GRAMCV	25	100.000	0.48880	0.41077	0.08215	0.17494	0.10000	1.60000
Pteridophyte Cover %	PTERCV	25	56.000	0.58040	1.09120	0.21824	0.37576	0.0	4.10000
Tree Species Richness	TREERP	25	100.000	2.32000	1.06827	0.21365	0.09218	1.00000	5.00000
Shrub Species Richness	SHRBRP	25	100.000	7.08000	1.03763	0.20753	0.02931	6.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	6.68000	1.81934	0.36387	0.05447	4.00000	11.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.44000	0.71181	0.14236	0.09886	1.00000	3.00000
Pteridophyte Species Richness	PTERRP	25	56.000	0.64000	0.85049	0.17010	0.26750	0.0	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	58.47997	11.28113	2.25643	0.03882	35.61998	83.50888
Total Vascular Species Richness	TOTLRP	25	100.000	18.36000	2.27083	0.45417	0.02474	13.00000	23.00000

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 18
Statistics for Soil Temperature and Synthetic Variables
FILE S382V CREATION DATE = 04/17/83 Stand 3 62 y old Jack Pine 1982 Vascular Cover % Data 5x5 m
SUBFILE SEP9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	55.20000	1.29099	0.25820	0.00468	53.00000	57.00000
Tree Cover %	TREECV	25	100.000	19.78000	7.48843	1.49769	0.07572	4.00000	38.00000
Shrub Cover %	SHRBCV	25	100.000	20.58800	5.34730	1.06946	0.05195	11.60000	32.50000
Forb Cover %	FORBCV	25	100.000	3.45780	2.77658	0.55532	0.22596	0.10000	13.70000
Graminoid Cover %	GRAMCV	25	100.000	0.47800	0.24487	0.04897	0.14430	0.01000	1.10000
Pteridophyte Cover %	PTERCV	25	64.000	0.59600	1.27197	0.25439	0.36551	0.0	6.00000
Tree Species Richness	TREERP	25	100.000	2.28000	0.93630	0.18726	0.08212	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	6.96000	1.17188	0.23438	0.03364	5.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	5.44000	1.85022	0.37005	0.06802	1.00000	9.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.40000	0.70711	0.14142	0.10102	1.00000	3.00000
Pteridophyte Species Richness	PTERRP	25	64.000	0.68000	0.75102	0.15020	0.17751	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	43.99856	7.81309	1.56262	0.03554	29.89998	65.71999
Total Vascular Species Richness	TOTLRP	25	100.000	18.96000	2.70000	0.54000	0.02184	11.00000	21.00000

Hondo-Slave Lake Stand 3 1982 Vascular Monthly Survey 04/17/83 PAGE 19
Statistics for Soil Temperature and Synthetic Variables
FILE S382V CREATION DATE = 04/17/83 Stand 3 62 y old Jack Pine 1982 Vascular Cover % Data 5x5 m
SUBFILE OCT9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	42.40000	1.22474	0.24495	0.00564	42.00000	46.00000
Tree Cover %	TREECV	25	100.000	20.29360	9.12073	1.82415	0.08989	5.00000	34.00000
Shrub Cover %	SHRBCV	25	100.000	8.85440	5.32721	1.06544	[illegible]	2.70000	20.20000
Forb Cover %	FORBCV	25	100.000	1.17160	1.95016	0.39003	0.33291	0.01000	7.60000
Graminoid Cover %	GRAMCV	25	96.000	0.24800	0.25942	0.05189	0.21728	0.0	1.10000
Pteridophyte Cover %	PTERCV	25	52.000	0.63200	1.06825	0.21365	[illegible]	0.0	4.50000
Tree Species Richness	TREERP	25	100.000	2.20000	0.91287	0.18257	0.08299	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	6.84000	1.14310	0.22862	0.03342	5.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	3.04000	1.01980	0.20396	0.06709	1.00000	5.00000
Graminoid Species Richness	GRAMRP	25	96.000	1.36000	0.81035	0.16207	0.11917	0.0	3.00000
Pteridophyte Species Richness	PTERRP	25	52.000	0.80000	0.91287	0.18257	0.22822	0.0	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	33.19858	11.77041	2.35416	0.07091	4.41000	54.52991
Total Vascular Species Richness	TOTLRP	25	100.000	14.24000	2.20378	0.44076	0.03095	9.00000	18.00000

SEADYN Project Mondo-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ABBA	BEPA	PIBA	PICL	PIMA	POTR	LECR	LODI	LOIN	ROAC	RICL	RILA	RITR	RUST	VACA	VAMY	VAVI	VIED	ACRU	ARNU	ASCI	COCA	FRVI	GABO
MA08																									
	0A	15.0	0	0	45.0	0	2.00	0	0	0	0	0	0	0	0	0	0	0	.100	0	0	0	.100	0	0
	0C	15.0	0	0	30.0	0	.500	0	0	0	0	0	0	0	0	0	0	.010	.010	0	0	0	.500	0	0
	0E	24.0	0	5.00	24.0	0	0	0	.010	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	0G	30.0	0	4.00	3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.500	0	0
	0I	4.00	0	0	25.0	4.00	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.100	0	0
	2I	30.0	0	0	25.0	4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	2G	30.0	0	0	20.0	5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0
	2E	25.0	0	0	20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	2C	50.0	1.00	0	7.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	2A	25.0	.500	0	20.0	0	.500	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.100	0	0
	4A	15.0	0	0	15.0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.500	0	0
	4C	12.0	0	0	44.0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0	0	.100	0	0
	4E	7.00	0	0	25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	4G	30.0	0	0	15.0	4.00	2.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	4I	35.0	0	0	5.00	0	.500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	6I	15.0	0	1.00	15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.100	0	0
	6G	30.0	0	0	25.0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	0	0	0	.010	0	0
	6E	50.0	0	2.00	12.0	8.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0
	6C	20.0	.500	2.00	20.0	4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0
	6A	35.0	0	0	25.0	0	0	0	.010	0	0	0	0	0	0	0	0	0	.010	0	0	0	.100	0	0
	8A	25.0	0	.100	4.00	3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	8C	15.0	0	.500	17.0	4.00	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.500	0	0
	8E	50.0	0	.500	1.00	0	0	.100	0	0	0	0	0	0	0	0	0	.100	.010	0	0	0	.010	0	0
	8G	20.0	0	5.00	10.0	0	0	0	.010	0	0	0	0	0	0	0	0	0	.010	0	0	0	1.00	0	0
	8I	55.0	0	0	12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	.010	0	0
Mean		26.5	.080	.804	18.5	1.44	.260	.004	.001	0	0	0	0	0	0	.000	0	.004	.012	0	0	0	.242	0	0
JN[illegible]																									
	0A	12.0	0	0	25.0	0	0	0	.100	0	0	0	0	.100	0	0	.100	0	3.00	0	.500	0	.500	0	0
	0C	10.0	0	0	20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	.010	0	.500	.100	.010
	0E	20.0	0	0	15.0	0	0	0	.010	0	.010	0	0	0	0	0	0	0	0	0	0	0	0	0	.100
	0G	20.0	0	7.00	2.00	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0	0	.500	0	0
	0I	3.00	0	0	30.0	4.00	0	0	0	0	0	0	0	0	0	0	.100	0	1.00	0	.010	0	.500	0	.010
	2I	30.0	0	0	20.0	4.00	.010	0	0	0	.010	0	0	0	0	0	.100	0	.100	0	0	0	.500	0	0
	2G	10.0	0	0	25.0	5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	.100	0	0
	2E	15.0	0	0	20.0	0	.100	0	0	0	.100	0	0	0	0	0	.100	0	0	0	0	0	.100	0	0
	2C	30.0	4.00	0	7.00	0	0	0	0	0	.500	0	0	0	0	0	.100	0	0	0	.100	0	.500	0	0
	2A	20.0	0	0	15.0	0	3.00	0	0	0	0	0	0	0	0	0	0	0	1.00	0	.100	0	.500	0	0
	4A	25.0	0	0	7.00	0	4.00	0	.100	0	0	0	.010	0	0	0	0	0	.500	0	.500	0	.500	0	.010
	4C	5.00	0	0	20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0	.100	0	.500	0	0
	4E	5.00	.010	0	20.0	0	0	0	0	0	0	0	0	0	0	0	.010	0	0	0	0	0	.100	0	.010
	4G	20.0	0	0	7.00	2.00	3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0
	4I	35.0	0	0	2.00	0	4.00	0	0	0	0	0	0	0	0	0	.010	0	.010	0	0	0	.100	0	0
	6I	15.0	0	0	5.00	0	0	0	0	0	0	0	0	0	0	0	.010	0	.100	0	0	0	.100	0	0
	6G	20.0	0	0	25.0	0	0	.010	0	0	0	0	0	0	0	0	.010	0	0	0	0	0	.100	0	0
	6E	40.0	0	1.00	10.0	4.00	0	0	0	0	0	0	0	0	0	0	0	0	.010	0	.010	0	.010	0	0
	6C	20.0	1.00	2.00	20.0	7.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	.100	0	.010
	6A	30.0	0	0	30.0	0	.010	0	.100	0	0	0	0	0	0	0	0	0	.500	.100	.100	0	.100	0	.010
	8A	15.0	1.00	0	4.00	3.00	0	.010	0	0	0	0	0	0	0	0	.010	0	.010	0	1.00	0	.100	0	.010
	8C	20.0	.500	1.00	25.0	4.00	.500	0	.100	0	0	0	0	0	0	0	.100	0	2.00	0	0	0	.100	.010	.010
	8E	30.0	0	.500	4.00	0	0	.500	0	0	0	0	0	0	0	.100	.100	0	0	0	0	0	.100	0	0
	8G	15.0	0	5.00	12.0	0	0	0	.010	0	0	0	0	0	0	.010	.100	0	1.00	0	0	0	.500	0	.010
	8I	35.0	0	0	9.00	0	0	0	0	0	0	0	0	0	0	.100	.100	0	.100	0	0	0	.100	0	.010
Mean		20.0	.260	.660	15.4	1.32	.585	.021	.017	0	.025	0	.000	.004	0	.008	.038	0	.437	.004	.102	0	.252	.004	.008
JL08																									
	0A	15.0	0	0	35.0	0	7.00	0	0	0	.010	0	0	.010	0	0	.100	0	4.00	0	3.00	0	1.00	0	0
	0C	12.0	0	0	30.0	0	.500	0	0	0	0	0	0	0	0	0	0	.100	.010	0	.500	0	3.00	.010	.100
	0E	20.0	0	8.00	25.0	0	.010	0	0	0	.010	0	0	0	0	0	0	0	0	0	0	0	.500	0	.010
	0G	20.0	0	5.00	8.00	0	.010	0	0	0	0	0	0	0	0	0	0	0	.100	0	.100	0	.500	0	0
	0I	5.00	0	0	25.0	4.00	.010	0	0	0	0	0	0	0	0	0	.100	0	1.00	0	.010	0	.500	0	.010
	2I	15.0	0	0	17.0	4.00	0	0	0	0	.010	0	0	0	0	0	0	0	.100	0	.010	0	.500	0	0
	2G	20.0	0	0	30.0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	0	0	0
	2E	15.0	0	0	30.0	0	0	0	.010	0	.100	0	0	0	0	0	.100	0	0	0	0	0	.500	0	0
	2C	30.0	0	12.0	15.0	0	0	0	0	0	.100	0	0	0	0	0	0	0	0	0	.010	0	.100	0	0
	2A	20.0	0	0	20.0	0	5.00	0	0	0	0	0	0	0	0	0	.010	0	2.00	0	.100	0	1.00	0	0
	4A	25.0	0	0	12.0	1.00	4.00	0	.010	0	0	0	.010	0	0	0	.100	0	.100	0	.500	0	.500	0	.010
	4C	10.0	0	0	20.0	0	.010	0	0	0	0	0	0	0	0	0	0	0	2.00	0	.500	0	.500	0	.010
	4E	5.00	0	0	15.0	0	.100	0	0	0	0	0	0	0	0	0	.100	0	0	0	0	0	1.00	0	0
	4G	20.0	0	0	10.0	2.00	.500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	4I	25.0	0	0	7.00	0	1.00	0	0	0	0	0	0	0	0	0	.100	0	.100	0	0	0	.500	0	0
	6I	10.0	0	0	7.00	0	0	0	0	0	0	0	0	0	0	0	.500	.100	.100	0	0	0	.500	0	0
	6G	10.0	0	0	15.0	0	.100	0	.010	0	0	0	0	0	0	0	.100	0	0	0	0	0	.500	0	0
	6E	30.0	0	0	10.0	3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	.100
	6C	15.0	0	0	20.0	8.00	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	.500	0	.100
	6A	20.0	0	0	25.0	0	0	0	.100	0	0	0	0	0	0	0	0	0	.100	0	1.00	0	.500	0	1.00
	8A	7.00	.500	0	10.0	5.00	0	0	0	0	0	0	0	0	0	0	.500	0	0	0	1.00	0	1.00	0	.010
	8C	10.0	0	0	15.0	7.00	0	0	.100	0	.100	0	0	.100	0	0	.500	0	1.00	0	0	0	1.00	0	.100
	8E	35.0	0	0	0	0	0	.100	0	0	0	0	0	0	0	0	.500	.100	0	0	0	0	2.00	0	0
	8G	15.0	0	0	0	8.00	0	0	0	0	0	0	0	0	0	0	.500	0	.500	0	0	0	2.00	0	.100
	8I	30.0	0	0	3.00	5.00	0	0	0	0	0	0	0	0	0	0	.100	0	.100	0	0	0	1.00	0	.100
Mean		18.0	.020	1.12	15.4	1.32	.774	.004	.009	0	.013	0	.000	.004	0	0	.132	.012	.448	0	.292	0	.644	.000	.068
AU08																									
	0A	7.00	0	0	25.0	0	8.00	0	.100	0	0	0	0	.100	0	0	.100	0	2.00	0	4.00	0	1.00	0	0
	0C	6.00	0	0	25.0	0	.100	0	.010	0	0	0	0	0	0	0	0	.010	.100	0	.500	0	3.00	.500	.100
	0E	30.0	0	2.00	20.0	0	.100	0	.010	0	.010	0	0	0	0	0	0	0	0	0	0	0	.500	0	.010
	0G	20.0	0	4.00	2.00	0	.100	0	0	0	0	0	0	0	0	0	0	0	.500	0	.100	0	1.00	0	0
	0I	4.00	0	0	25.0	4.00	.100	0	0	0	0	0	0	0	0	0	.010	0	1.00	0	.100	0	0	.500	0
	2I	25.0	0	0	30.0	4.00	0	0	0	0	.010	0	0	.100	0	0	.010	0	.100	0	.100	0	.100	0	0
	2G	20.0	0	0	30.0	7.00	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	.100	0	.100	0	0
	2E	25.0	0	0	20.0	0	.100	0	0	0	.100	0	0	0	0	0	.100	0	0	0	0	0	.500	0	0
	2C	40.0	8.00	0	10.0	0	0	0	0	0	.100	0	0	0	0	0	.100	.010	0	0	.500	0	1.00	0	.010
	2A	25.0	0	0	15.0	0	4.00	0	0	0	0	0	0	0	0	0	.010	0	1.00	0	.500	0	2.00	0	0
	4A	25.0	0	0	10.0	0	3.00	0	.100	0	0	0	0	0	0	0	0	0	.100	0	1.00	0	2.00	0	.010
	4C	3.00	0	0	30.0	0	.100	0	0	0	0	0	0	0	0	0	0	0	1.00	0	.500	0	.500	0	.010
	4E	3.00	.100	0	25.0	0	.010	0	0	0	0	0	0	0	0	0	.100	0	0	0	0	0	3.00	0	.010
	4G	25.0	0	0	10.0	2.00	3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	0
	4I	30.0	.010	0	3.00	0	3.00	0	0	0	0	0	0	0	0	0	.100	0	.100	0	0	0	1.00	0	0
	6I	15.0	0	1.00	20.0	0	0	0	0	0	0	0	0	0	0	0	.100	0	.100	0	0	0	.500	0	0
	6G	20.0	0	0	30.0	0	.010	0	0	0	0	0	0	0	0	0	.100	0	0	0	0	0	.100	0	0
	6E	30.0	0	1.00	17.0	10.0	.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0	0
	6C	18.0	1.00	3.00	22.0	8.00	.100	0	0	0	0	0	0	0	0	0	0	0	0	0	.500	0	.500	0	.010
	6A	30.0	0	0	45.0	0	.010	0	.500	0	0	0	0	0	0	0	0	0	1.00	.100	2.00	0	1.00	0	.100
	8A	25.0	7.00	0	8.00	5.00	0	0	0	0	.100	0	0	0	0	0	.100	0	0	0	4.00	0	2.00	0	.010
	8C	15.0	0	0	30.0	11.0	1.00	0	.500	0	.100	0	0	0	.100	0	.500	0	2.00	0	0	0	1.00	.010	.500
	8E	40.0	0	3.00	3.00	0	.100	.500	0	0	0	0	0	0	0	.100	1.00	0	0	0	0	0	2.00	0	0

SEADYN Project Mongo-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ABBA	BEPA	PIBA	PIGL	PIMA	POTR	LEGR	LODI	LOIN	ROAC	RIGL	RILA	RITR	RUST	VACA	VAMY	VAVI	VIED	ACRU	ARNU	ASCI	COCA	FRVI	GABO
	8C	30.0	.010	5.00	15.0	0	8	0	100	0	0	0	0	0	0	.010	2.00	0	2.00	0	0	0	2.00	0	.100
	81	45.0	0	0	10.0	0	.010	0	0	0	.010	0	0	0	0	.100	.100	0	.500	0	0	0	1.00	0	.010
Mean		22.2	.445	.840	20.0	2.12	.918	.020	.053	0	.017	0	0	.004	.004	.004	[illegible]	.001	.450	.004	.556	0	1.09	.040	.035
58 10																									
	04	15.0	0	0	40.0	0	4.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0C	10.0	0	0	30.0	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0E	25.0	0	7.00	25.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0C	30.0	0	5.00	7.00	0	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	01	5.00	0	0	50.0	4.00	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	21	40.0	0	0	30.0	4.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2C	20.0	0	0	25.0	10.0	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2E	25.0	0	0	25.0	0	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2C	25.0	4.00	0	20.0	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2A	25.0	.010	0	40.0	0	4.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4A	20.0	0	0	12.0	0	3.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4C	5.00	0	0	30.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4E	2.00	.100	0	25.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4C	20.0	0	0	7.00	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	41	30.0	0	0	5.00	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	61	15.0	0	0	8.00	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6C	10.0	0	0	10.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6E	30.0	0	0	5.00	2.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6C	20.0	0	2.00	25.0	6.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	64	25.0	0	2.00	15.0	0	.100	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	84	10.0	2.00	0	2.00	2.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8C	15.0	.100	0	10.0	6.00	.100	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8E	20.0	0	0	0	0	.100	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8C	[illegible]	0	7.00	8.00	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	81	25.0	0	2.00	5.00	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	.288	[illegible]	[illegible]	[illegible]	.852	.004	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
?2 0																									
	04	8.00	0	0	20.0	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0C	10.0	0	0	20.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0E	25.0	0	4.00	15.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	0C	20.0	0	4.00	[illegible]	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	01	2.00	0	0	25.0	4.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	21	30.0	0	0	25.0	4.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2C	20.0	0	0	25.0	7.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2E	20.0	0	0	0	0	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2C	25.0	.500	0	[illegible]	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	2A	15.0	.500	0	15.0	0	.500	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4A	20.0	0	.100	5.00	0	2.00	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4C	4.00	0	0	25.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4E	2.00	0	0	10.0	0	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	4C	25.0	0	0	8.00	2.00	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	41	50.0	0	0	10.0	0	.500	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	61	15.0	0	0	8.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6C	25.0	0	0	30.0	0	0	.010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6E	30.0	0	[illegible]	5.0	5.00	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	6C	30.0	.500	2.00	45.0	5.00	.500	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	64	25.0	0	0	40.0	0	.010	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	84	15.0	[illegible]	0	12.0	5.00	0	.010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8C	20.0	0	[illegible]	25.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8E	40.0	0	[illegible]	5.00	0	0	.500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	8C	30.0	0	5.00	15.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	81	25.0	0	0	5.0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		22.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.660	[illegible]	[illegible]

TRANSPACE REQUIRED 1200 BYTES
10 TRANSFORMATIONS
5 RECODE VALUES + LAG VARIABLES
52 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0.42 SECONDS

```
45 REPORT     FORMAT = HDSPACE 1 BRKSPACE 0 FTSPACE 0 LIST
46            VARIABLES = PLOT ... 4 ... TO ... 4 ... 4
47            HEAD = SEADYN Project Mongo-Slave Lake Stand 4
48            Monthly Survey of Vascular Plant Community
49            Species Cover % Values by 5x5 m Plots
50            BREAK = SUBTITLE Date 4
51            SUMMARY = MEAN Mean
```

REPORT REQUIRES 2284 BYTES FOR THIS TASK

SEADYN Project, Mendo-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community
Species Cover % values by 5x5 m Plots

Date	Plot	CELI	CORE	LIBO	MACA	MEPA	MINU	MOUN	PEPA	PYAS	PYSE	PYVI	RUPU	TRBO	VIRE	ELIN	CACA	EOAA	EOPE	LYOB	LYTR	COTR
MA08																						
	0A	0	0	1 00	0	0	0	010	0	0	010	100	0	0	0	0	0	0	0	0	0	0
	0C	0	010	3 00	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0
	0E	0	010	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0G	0	100	010	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	0I	0	100	500	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0
	2I	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2G	0	010	1 00	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	2E	0	100	500	0	0	100	0	0	0	0	010	0	0	0	0	0	0	0	010	0	0
	2C	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2A	0	500	1 00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4A	0	0	2 00	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	4C	0	010	500	0	0	100	0	0	0	010	100	0	0	0	0	0	0	0	0	0	0
	4E	0	100	1 00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4G	0	100	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	100	0	0
	4I	0	010	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0	0
	6I	0	010	100	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	6G	0	010	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	6E	0	010	500	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	6C	0	010	100	0	0	010	0	0	0	010	010	0	0	0	0	0	0	0	0	0	0
	6A	0	0	500	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8A	0	100	1 00	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0
	8C	0	010	500	0	0	010	0	0	0	010	010	0	0	0	0	0	0	0	0	0	0
	8E	0	010	500	0	0	0	0	0	0	010	010	0	0	0	0	0	0	0	0	0	0
	8G	0	010	3 00	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0
	8I	0	100	010	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0
Mean		0	061	677	0	0	012	000	0	000	008	018	0	0	0	000	0	0	0	004	0	0
JN																						
	0A	0	010	3 00	1 00	0	0	0	0	0	0	010	100	0	100	0	0	0	0	0	0	0
	0C	100	100	4 00	2 00	0	0	0	010	0	100	0	0	0	100	0	0	0	010	0	0	0
	0E	0	010	3 00	1 00	0	0	0	0	0	0	0	0	0	500	010	0	010	010	0	0	0
	0G	0	100	100	100	0	0	0	0	0	0	010	0	0	0	0	0	0	010	0	0	0
	0I	0	100	2 00	100	0	0	0	0	0	0	100	0	0	0	010	0	0	010	0	0	0
	2I	0	100	0	100	0	0	0	0	0	0	0	0	010	0	0	0	0	010	0	0	0
	2G	0	010	1 00	500	0	0	0	0	0	100	100	0	500	0	010	0	010	0	0	0	0
	2E	0	100	1 00	1 00	100	100	0	0	0	100	100	0	010	0	010	0	010	010	0	0	0
	2C	0	100	100	500	0	0	0	100	0	100	100	0	0	0	0	0	0	100	0	0	0
	2A	0	100	3 00	1 00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4A	0	010	4 00	2 00	0	0	0	0	0	010	010	100	0	010	100	0	010	0	0	0	0
	4C	0	100	500	500	0	500	0	0	0	100	100	0	0	0	0	0	0	010	0	0	0
	4E	0	100	500	100	0	0	0	0	0	0	010	0	100	010	0	0	0	010	0	0	0
	4G	0	100	0	100	0	0	0	0	0	010	0	0	100	0	0	0	0	010	010	0	0
	4I	0	100	0	100	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0	0
	6I	0	100	100	100	0	0	0	0	0	010	0	0	500	010	0	0	0	010	0	0	0
	6G	0	010	0	100	0	0	0	0	0	0	100	0	010	0	010	0	0	0	0	0	0
	6E	0	100	500	500	0	0	0	0	0	0	100	0	010	010	0	0	0	010	0	0	0
	6C	0	100	100	100	0	0	0	0	0	010	010	0	0	010	0	0	0	010	0	0	0
	6A	0	0	1 00	500	0	010	0	0	0	0	0	0	500	010	0	0	010	0	0	0	0
	8A	0	100	1 00	100	010	0	0	0	0	100	0	100	100	010	010	0	010	0	0	0	0
	8C	0	010	500	500	0	010	0	0	0	010	010	500	500	010	0	0	0	010	0	0	010
	8E	0	100	1 00	1 00	0	0	0	0	0	010	010	0	500	0	0	010	0	010	0	0	0
	8G	0	0	2 00	1 00	0	0	0	0	0	0	0	0	1 00	010	010	0	0	0	0	0	0
	8I	0	100	500	500	0	0	0	0	0	0	010	0	100	0	0	0	010	010	0	0	0
Mean		004	070	1 16	580	004	025	0	004	006	028	031	032	158	032	007	000	003	010	000	0	006
JL05																						
	0A	0	0	2 00	500	0	0	0	0	0	010	010	500	0	100	010	0	0	0	0	0	0
	0C	100	010	3 00	1 00	0	0	0	100	0	0	0	010	0	100	0	0	0	0	0	0	0
	0E	0	010	1 00	500	0	0	0	010	0	010	0	0	0	0	010	0	010	010	0	0	0
	0G	0	010	0	010	0	0	0	0	0	010	010	0	0	0	0	0	0	100	0	0	0
	0I	0	500	500	500	0	0	0	0	0	010	010	0	0	0	010	0	0	010	0	0	0
	2I	0	500	0	100	0	0	0	0	0	0	0	0	010	0	0	0	0	010	0	0	0
	2G	0	100	2 00	500	0	0	0	0	0	0	100	0	100	0	010	0	0	010	0	0	0
	2E	0	100	500	1 00	100	010	0	0	0	100	0	0	0	010	010	0	0	010	0	0	0
	2C	0	100	0	100	0	0	0	500	0	010	010	0	0	0	0	0	0	010	0	0	0
	2A	0	010	3 00	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4A	0	010	2 00	1 00	0	0	0	0	0	010	0	010	0	0	0	010	010	0	0	0	0
	4C	0	100	500	500	0	010	0	010	0	010	100	0	0	0	0	0	0	010	0	0	0
	4E	0	100	500	500	0	0	0	0	0	0	0	0	100	0	0	0	0	010	0	0	0
	4G	0	010	0	500	0	0	0	0	0	010	010	0	500	0	0	0	0	010	100	0	0
	4I	0	100	0	010	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0
	6I	0	010	100	500	0	0	0	0	0	0	010	0	1 00	100	0	0	010	010	0	0	0
	6G	0	100	0	100	0	0	0	0	0	0	500	0	100	0	0	0	0	0	0	0	0
	6E	0	100	500	1 00	0	0	0	0	0	0	0	0	100	500	0	0	0	0	0	0	0
	6C	0	010	500	500	0	100	0	100	0	0	100	0	0	0	010	0	0	010	0	0	0
	6A	0	0	1 00	1 00	0	100	0	0	0	0	0	0	500	100	010	0	0	010	0	0	0
	8A	0	0	1 00	100	0	0	0	0	0	100	0	100	500	100	0	010	010	010	0	0	0
	8C	0	0	500	1 00	0	100	0	500	0	0	0	500	1 00	100	0	010	0	010	0	0	0
	8E	0	100	2 00	2 00	0	0	0	0	100	100	0	0	1 00	100	0	010	0	010	0	0	0
	8G	0	0	4 00	2 00	0	0	0	0	0	0	0	0	2 00	100	010	0	010	0	0	0	0
	8I	0	100	500	500	0	0	0	0	0	0	0	0	500	0	0	0	010	0	0	0	0
Mean		004	082	1 00	637	004	012	0	049	004	016	034	045	300	052	003	002	002	010	004	0	0
AU09																						
	0A	0	0	2 00	500	0	0	0	100	0	100	100	100	0	500	010	0	0	0	0	0	0
	0C	100	100	4 00	1 00	0	0	0	100	0	100	0	100	0	500	0	0	0	010	0	0	0
	0E	0	100	2 00	100	0	0	0	100	0	0	100	0	0	100	010	0	0	0	0	0	0
	0G	0	100	0	100	0	0	0	0	0	010	100	0	0	0	0	0	0	010	0	0	0
	0I	0	500	500	100	0	0	0	0	0	100	100	0	0	0	010	0	0	0	0	0	0
	2I	0	100	0	100	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0
	2G	0	100	1 00	500	0	0	0	0	0	100	100	0	100	0	010	0	010	0	0	0	0
	2E	0	500	500	1 00	100	0	0	0	0	0	100	0	0	0	0	0	0	010	100	0	0
	2C	0	100	500	100	0	0	0	100	0	100	100	0	0	0	010	0	0	0	0	0	0
	2A	0	100	4 00	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4A	0	100	4 00	1 00	0	0	0	100	0	100	100	100	0	0	0	100	010	0	0	0	0
	4C	0	100	1 00	500	0	100	0	0	0	100	100	0	0	0	0	0	0	010	0	0	0
	4E	0	100	1 00	500	0	0	0	0	0	0	010	0	100	0	0	0	010	010	0	0	0
	4G	0	100	0	500	0	0	0	0	0	010	010	0	500	0	0	0	0	010	100	0	0
	4I	0	100	0	100	0	0	0	0	010	100	100	0	100	010	0	0	0	0	0	0	0
	6I	0	500	100	100	0	0	0	0	0	0	100	0	500	0	0	0	0	010	0	0	0
	6G	0	100	0	010	0	0	0	0	0	0	500	0	010	010	010	0	0	010	0	0	0
	6E	0	100	1 00	1 00	0	0	0	0	0	010	100	0	010	100	0	0	0	0	0	0	0
	6C	0	100	100	100	0	0	0	0	0	010	100	0	0	0	010	0	0	010	0	0	0
	6A	0	010	2 00	500	0	100	0	0	0	0	0	0	1 00	100	0	0	0	0	0	0	0
	8A	0	100	3 00	100	0	0	0	010	0	100	0	500	100	100	010	010	0	010	0	0	0
	8C	0	100	500	500	0	100	0	100	0	100	100	1 00	500	100	010	0	010	010	0	0	0
	8E	0	100	3 00	500	0	0	0	500	0	100	010	0	1 00	0	010	0	0	010	0	0	0

SEADYN Project Mongo-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community
Species Cover % Values By 5x5 m Plots

Date	Plot	CEL.	COPE	.IBO	MACA	MEPA	MIHL	MOUN	PEPA	P.AS	PYSE	PYU'	RUPU	TRBO	VIRE	S.IN	CACA	EOAR	SOPR	.YCE	.YTR	COTP
	80	0	0.0	5.00	.30	0	0	0	0	0	0	0	0	5.00	1.00	.00	0	0	0.0	0	0	0
	81	0	.00	.00	5.00	0	0	0	0	0	0	0.0	0	5.00	0	0	0	0	0.0	0	0	0
Mean		.004	.27	.45	.436	.004	0.2	0	.044	.000	.348	.078	.072	.187	.085	.004	.004	.002	.008	.004	0	0
SEP																						
Mean		.004	.284	.84	.004	.004	.032	0	.028	.000	.347	.045	.025	0.6	.036	.002	.005	.002	.008	.002	0	0
OCT																						
Mean		0	.074	.36	0	0	0.8	0	.000	0	.285	.049	.000	0	.000	.002	0	0	0	.004	0	0

SEADYN Project Mandc-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREEBP	SHRBBP	FORBBP	GRAMBP	PTERBP	TOTLCV	TOTLBP
MA09														
	04	45 0	52 000	1 100	220	0 0	0 0	3	2	4	0	0	53 320	9
	06	41 0	45 500	3 020	520	0 0	0 0	3	2	3	0	0	49 040	8
	08	41 0	53 000	110	110	0 0	0 0	3	2	2	0	0	53 220	7
	00	38 0	37 000	020	610	0 0	0 0	3	2	3	0	0	37 630	8
	02	40 0	44 000	510	210	0 0	0 0	3	2	2	0	0	44 720	8
	22	39 0	60 000	0 0	200	0 0	0 0	3	0	2	0	0	60 200	5
	20	39 0	55 000	000	120	0 0	0 0	3	1	3	0	0	55 120	7
	28	37 0	45 000	500	710	0 0	010	2	1	4	0	1	46 220	8
	26	39 0	58 000	100	200	0 0	0 0	3	1	2	0	0	58 300	6
	24	35 0	46 000	1 010	600	0 0	0 0	4	2	2	0	0	47 610	8
	44	37 0	31 000	2 010	510	0 0	0 0	3	2	2	0	0	33 520	7
	46	38 0	56 000	600	320	0 0	0 0	2	2	5	0	0	56 920	9
	48	39 0	42 000	1 000	600	0 0	0 0	2	1	2	0	0	43 600	5
	40	37 0	51 000	0 0	210	0 0	100	4	0	3	0	1	51 310	8
	42	37 0	40 500	0 0	520	0 0	0 0	3	0	3	0	0	41 020	6
	62	34 0	33 000	110	120	0 0	0 0	3	2	3	0	0	33 230	6
	60	33 0	55 000	010	030	0 0	0 0	2	1	3	0	0	55 040	6
	68	33 0	72 000	500	030	0 0	0 0	4	1	3	0	0	72 530	8
	66	33 0	46 500	100	050	0 0	0 0	5	1	5	0	0	46 650	11
	64	33 0	60 000	520	200	0 0	0 0	2	3	2	0	0	60 720	7
	84	33 0	32 100	1 000	700	0 0	0 0	4	1	2	0	0	33 800	8
	86	33 0	36 500	510	540	0 0	0 0	4	2	5	0	0	37 550	11
	88	34 0	51 500	710	040	0 0	0 0	2	4	4	0	0	52 250	11
	80	34 0	35 000	2 020	1 010	010	0 0	3	3	2	1	0	38 040	9
	82	33 0	67 000	020	120	0 0	0 0	2	2	3	0	0	67 140	7
Mean		36 8	48 584	59920	34000	00040	00440	3 04	1 84	3 04	04	08	49 628	7 84
JN09														
	04	60 0	37 000	6 300	2 220	0 0	0 0	2	5	7	0	0	45 520	14
	06	58 0	30 000	4 100	2 030	0 0	010	2	2	10	0	1	37 140	15
	08	55 0	35 000	2 020	1 610	010	020	2	3	4	1	2	39 660	12
	00	52 0	25 000	600	710	0 0	010	2	3	4	1	1	30 320	10
	02	52 0	37 000	3 100	820	010	010	3	2	6	0	1	40 940	16
	22	52 0	54 010	210	710	0 0	010	4	3	4	0	1	54 940	12
	20	60 0	40 000	000	1 320	010	010	3		7		1	42 340	13
	28	54 0	35 100	200	1 610	010	020	3	3	6		2	36 940	17
	26	55 0	41 000	700	1 600	0 0	100	3	3	7	0	1	43 300	14
	24	57 0	38 000	4 000	1 700	0 0	0 0	3	2	4	0	0	43 700	9
	44	58 0	36 000	4 510	3 150	100	010	3	4	9	1	1	43 870	18
	46	58 0	25 000	1 500	1 900	0 0	010	2	2	7	0	1	28 410	12
	48	5[illegible] 0	28 010	510	430	0 0	010	3	2	7	0	1	29 960	13
	40	52 0	32 000	0 0	410	0 0	020	4	0	5	2	2	32 430	11
	42	54 0	41 000	020	310	0 0	0 0	3	2	4	0	0	41 330	9
	62	52 0	24 000	210	820	0 0	010	2	3	6	0	1	25 040	12
	60	52 0	45 000	020	320	010	0 0	2	2	5	1	0	45 350	10
	68	54 0	55 000	510	740	0 0	010	4	2	7	0	1	56 260	14
	66	58 0	50 000	100	440	0 0	010	5	1	8	0	1	50 550	15
	64	59 0	60 010	1 600	1 330	0 0	010	3	3	8	0	1	62 950	15
	84	56 0	23 000	1 030	1 630	010	010	4	4	10	1	1	25 680	20
	86	49 0	51 000	2 700	1 680	0 0	010	5	4	12	0	1	55 380	22
	88	51 0	34 500	1 700	1 720	010	010	3	4	6	1	1	37 940	15
	80	50 0	33 000	3 120	2 520	010	0 0	3	5	6	1	0	38 650	14
	82	48 0	44 000	800	820	0 0	020	2	1	6	0	2	45 840	14
Mean		54 2	38 185	1 7064	1 2380	00720	01320	3 08	2 76	6 64	36	96	41 280	12 80
JL09														
	04	65 0	57 000	6 120	5 120	010	0 0	3	5	7	1	0	68 250	16
	06	55 0	42 500	3 110	4 530	0 0	0 0	3	2	10	0	0	50 540	16
	08	55 0	53 010	1 010	1 040	010	020	4	2	6	1	0	55 090	15
	00	52 0	31 010	100	640	0 0	100	4	1	6	0	2	31 850	12
	02	56 0	34 010	1 600	1 540	010	010	4	2	7	1	1	37 170	16
	22	56 0	38 000	110	1 120	0 0	010	3	2	5	0	1	37 240	11
	20	61 0	51 000	2 000	800	010	010	3	1	5	1	1	53 820	11
	28	61 0	45 000	710	1 820	010	010	2	4	7		1	47 550	15
	26	60 0	57 000	100	830	0 0	010	3	1	7	0	1	57 940	12
	24	57 0	45 000	5 010	1 610	0 0	0 0	2	3	4	0	0	51 620	9
	44	45 0	42 000	2 220	2 040	010	010	4	5	7		1	46 280	18
	46	58 0	30 010	2 500	1 740	0 0	010	3	2	9	0	1	34 280	15
	48	60 0	20 100	600	1 700	0 0	010	3	2	4	0	1	22 410	10
	40	57 0	32 500	0 0	1 530	0 0	110	4	2	6	2	2	34 140	12
	42	56 0	42 000	200	720	0 0	0 0	3	2	5	2	0	43 920	12
	62	54 0	17 000	800	2 120	0 0	020	2	4	6	2	2	19 940	16
	60	54 0	25 00	10	1 300	0 0	0 0	3	2	5	0	0	26 510	12
	68	54 0	43 000	500	2 300	0 0	0 0	2	1	6	0	0	45 800	10
	66	56 0	41 100	600	1 910	010	010	4	1	8		1	43 630	15
	64	55 0	49 000	1 200	4 200	010	010	2	2	7		1	54 420	14
	84	54 0	23 500	1 500	2 910	010	020	4	2	8		2	27 940	17
	86	54 0	32 000	2 300	4 300	010	010	2	6	4		1	38 620	19
	88	58 0	35 000	2 700	5 400	010	010		2	7			43 120	14
	80	61 0	21 000	5 000	7 200	010	010	2	3	5			33 220	12
	82	61 0	38 000	700	2 200	0 0	010	3	2	5	2		40 910	12
Mean		56 5	37 594	1 6280	2 4448	00480	01840	3 04	2 60	6 40	48	92	41 684	12 64
AU09														
	04	64 0	40 000	4 300	6 400	010	0 0	3	5	8		0	50 710	17
	06	62 0	31 100	4 120	6 100	0 0	010	3	4	11	0	1	41 330	19
	08	60 0	52 100	2 020	1 010	010	0 0	4	3	7		0	55 140	15
	00	55 0	26 100	500	1 410	0 0	010	4	1	6		0	28 020	12
	02	58 0	43 100	1 510	1 400	010	0 0	4	2	6	0		46 020	12
	22	60 0	59 000	220	410	0 0	0 0	3	4	5	0	0	59 630	12
	20	60 0	57 100	1 000	1 100	010	010	4	1	7		1	59 220	14
	28	58 0	45 100	700	2 200	0 0	110	3	2	6	0	2	48 110	13
	26	60 0	58 000	710	2 010	010	0 0	3	1	6		0	60 730	6
	24	59 0	44 000	5 010	3 100	0 0	0 0	3	3	4	0	0	52 110	10
	44	61 0	38 000	4 200	4 510	100	010	3	3	9		1	46 820	17
	46	58 0	33 100	2 000	1 910	0 0	010	2	2	8	0	1	37 020	14
	48	60 0	28 110	1 100	3 720	0 0	020	4	2	6	0	2	32 950	14
	40	62 0	40 000	0 0	1 620	0 0	110	4	0	6	0	2	41 730	12
	42	60 0	36 010	200	1 820	0 0	0 0	4	2	8	0	0	37 730	14
	62	60 0	36 000	300	1 700	0 0	010	3	2	5	0	1	38 010	12
	60	61 0	50 010	100	720	010	010	2	1	6		1	50 860	12
	68	59 0	58 010	1 000	2 320	0 0	0 0	5	1	7	0	0	61 330	13
	66	62 0	60 100	100	1 320	010	010	6	1	7		1	61 540	16
	64	60 0	75 010	2 500	4 910	0 0	0 0	3	3	9	0	0	83 420	15
	84	62 0	49 000	3 200	7 020	020	010	4	3	10	2	1	59 250	20
	86	61 0	57 000	3 700	4 110	010	020	4	6	12		2	64 840	25
	88	63 0	45 100	4 500	4 210	010	010	4	4	7		1	53 930	17

SEADYN Project Hondo-Slave Lake Stand 4
Monthly Survey of Vascular Plant Community,
Soil Temperature and Synthetic Variables By 5x5 m Plots

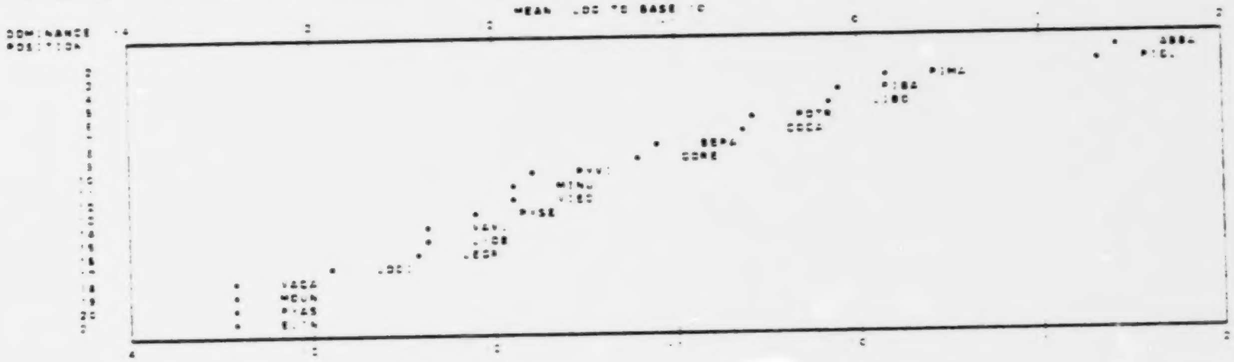
Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
						100	010	4	5	8			55 940	17
	8C	52 0	52 010	8 110	3 710		010	3	5	6	0		54 850	15
	8	56 0	55 0 0	110	2 120	0 0								
Mean		50 4	48 762	2 1984	2 8228	01240	01520	3 84	2 88	7 16	52	8C	51 810	15 0C
5E10						010	0 C	3	5	8	[illegible]	C	59 080	18
	0A	50 0	59 000	7 030	2 020		010	3	4	10	0	[illegible]	47 490	12
	0C	48 0	42 000	4 030	1 490	0 0	0 C	3	3	8	0	C	58 160	12
	0E	48 0	57 000	520	640	0 0	0 C	3	[illegible]	4	0	0	42 150	9
	0G	49 0	42 010	010	30	0 0	0 C	4	2	4	[illegible]	[illegible]	64 350	12
	01	49 0	82 010	610	710	010	010	4	3	3	0	0	74 180	9
	21	48 0	74 000	030	120	0 0	0 0	3	3	3	0	[illegible]	57 340	12
	2C	48 0	58 000	000	220	010	010	4	[illegible]	8	[illegible]	[illegible]	61 080	18
	2E	48 0	8C 010	140	900	0 0	010	3	5	8	0	[illegible]	61 350	12
	2C	48 0	61 000	020	230	0 0	0 0	4	2	8	0	C	72 620	9
	2A	49 0	59 010	3 000	600	0 C	010	4	2	2	0	[illegible]	37 090	18
	4A	47 0	35 000	020	050	010	010	3	3	6	[illegible]	[illegible]	37 840	[illegible]
	4C	48 0	36 000	100	740	0 0	0 0	[illegible]	[illegible]	[illegible]	0	C	31 010	[illegible]
	4E	48 0	28 00	000	2 110	0 0	0 C	3	[illegible]	3	0	C	30 010	10
	4C	49 0	29 000	100	900	0 0	010	3	[illegible]	5	C	[illegible]	38 830	10
	41	48 C	38 000	110	720	0 C	0 C	3	2	5	0	2	33 900	[illegible]
	6	48 0	33 000	200	700	0 0	0 0	3	2	3	0	C	30 700	5
	6C	48 0	20 000	0 1	700	0 0	0 0	3	0	2	0	0	38 500	12
	6E	48 0	37 000	500	900	0 C	0 C	3	[illegible]	5	0	[illegible]	55 330	12
	8C	48 0	54 000	500	820	0 C	010	4	[illegible]	6	0	[illegible]	45 410	[illegible]
	6A	48 0	42 100	2 100	10	0 C	0 C	4	2	6	0	2	45 410	[illegible]
	8A	49 0	19 000	100	2 320	010	0 C	4	2	2	[illegible]	2	23 430	15
	8C	49 0	21 200	2 210	1 600	100	0 C	5	8	[illegible]		2	35 10	19
	8E	48 0	30 100	900	1 300	0 0	0 0	3	5	4	0	0	33 300	[illegible]
	8C	64 C	27 000	4 200	2 210	010	100	3	5	4			33 520	14
	8	49 0	48 000	800	730	0 0	010	2	4	6	0		67 840	14
Mean		48 4	43 47	1 2973	1 0483	00840	00760	3 24	2 73	5 20	24	40	45 494	84
22 C						010	0 0	3	5	4		2	22 850	12
	0A	58 0	30 000	830	2 210	0 0	0 0	3	2	4	0	0	38 30	4
	0C	54 0	30 000	4 010	2 120	010	0 0	2	2	2		2	48 520	4
	0E	53 0	44 000	2 010	800	0 0	0 0	3	3	2	0	2	28 520	5
	0C	52 0	29 000	0 0	520	0 0	0 0	2	3	4	2	2	31 820	12
	01	51 0	3 000	20	600	0 0	0 0	2	0	2	2	2	58 200	5
	2	52 0	58 000	0 0	200	010	0 0	2	2	4		0	54 220	8
	2C	5C 0	82 000	2 000	210	0 0	0 0	2	2	5	0	0	3 420	
	2E	48 0	30 010	520	1 900	0 0	0 0	2	2	4	0	0	38 020	10
	22	49 0	37 500	120	400	0 0	0 0	3	2	3	0	C	33 520	9
	2A	49 0	3 000	2 010	610	0 0	0 0	4		8	0	C	1 810	8
	4A	5C 0	27 100	4 000	710	0 0	0 0	4	2	8	C	0	30 510	2
	4C	46 0	29 000	600	910	0 0	0 0	2		2	0	C	6 10	8
	4E	49 0	12 010	000	1 100	0 C	0 0	3		6	0		22 220	12
	4C	45 0	33 000	010	210	0 0	100	4		2	0	0	6 10	[illegible]
	41	50 0	8C 500	010	810	0 0	0 0	2	4	2	[illegible]	0	33 240	8
	6	49 0	33 000	30	110	0 0	0 0	2	2	2	0	0	58 830	[illegible]
	6C	50 0	55 000	020	810	0 0	0 0	4		4	0	0	5 810	9
	6E	52 0	5 000	900	210	0 0	0 0	8		5		2	84 420	2
	8C	48 0	84 000	00	320	010	0 0	2	2	3	0	0	78 720	8
	8A	49 0	78 010	010	700	0 0	0 0	4	2	4		0	28 30	
	8A	48 0	34 000	010	110	010	0 0	2	2	8	2	2	47 770	4
	8C	46 0	48 000	520	280	0 0	0 0	2	8	2	2	2	52 010	2
	8E	47 0	48 000	2 800	210	0 0	0 0	2	8	3		2	6C 340	2
	8C	49 0	84 000	4 000	2 110	010	0 0	2	8	2		2	5 820	4
	8	58 0	53 000	810	010	0 0	0 0	2	2	2	0			
Mean		50 2	42 228	1 84	8 800	00240	00400	3 12	2 20	3 72	24	24	44 228	9 22

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE S482V (CREATION DATE = 04/17/83) Stand 4 (28 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m
SUBFILE MAGE

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	29.52000	13.70559	2.74112	0.09286	4.00000	55.00000
Betula papyrifera	BEPA	25	12.000	0.08000	0.23629	0.04726	0.59073	0.0	1.00000
Pinus banksiana	PIBA	25	36.000	0.80400	1.57255	0.31451	0.39118	0.0	5.00000
Picea glauca	PIGL	25	100.000	18.48000	12.04201	2.40840	0.13032	1.00000	41.00000
Picea mariana	PIMA	25	32.000	1.44000	2.28274	0.45655	0.31705	0.0	8.00000
Populus tremuloides	POTR	25	24.000	0.26000	0.57951	0.11590	0.44578	0.0	2.00000
Ledum groenlandicum	LEGR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Lonicera dioica	LODI	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Lonicera involucrata	LOIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes triste	RITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium caespitosum	VACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium vitis-idaea	VAVI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Viburnum edule	VIED	25	52.000	0.01240	0.02681	0.00536	0.43245	0.0	0.10000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	100.000	0.24240	0.28074	0.05615	0.23163	0.01000	1.00000
Fragaria virginiana	FRVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodyera repens	GORE	25	68.000	0.06080	0.10181	0.02036	0.33490	0.0	0.50000
Linnaea borealis	LIBO	25	84.000	0.57840	0.84997	0.16999	0.29390	0.0	3.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mertensia paniculata	MEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	20.000	0.01280	0.03281	0.00656	0.51266	0.0	0.10000
Moneses uniflora	MOUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Petasites palmatus	PEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola asarifolia	PYAS	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pyrola secunda	PYSE	25	40.000	0.00760	0.01985	0.00397	0.52235	0.0	0.10000
Pyrola virens	PYVI	25	44.000	0.01560	0.03216	0.00643	0.41225	0.0	0.10000
Rubus pubescens	RUPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trientalis borealis	TRBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum pratense	EQPR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium obscurum	LYOB	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Lycopodium tristachyum	LYTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 21 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4410
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.10132 NATURAL LOGARITHMS

21 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 49.8280



Honda-Slave Lake Stand 4 1982 Vascular Monthly Survey — 04/17/83 — PAGE

Descriptive Statistics for Each Species Variable and the Stand 1982 Vascular Cover % Data 5x5m

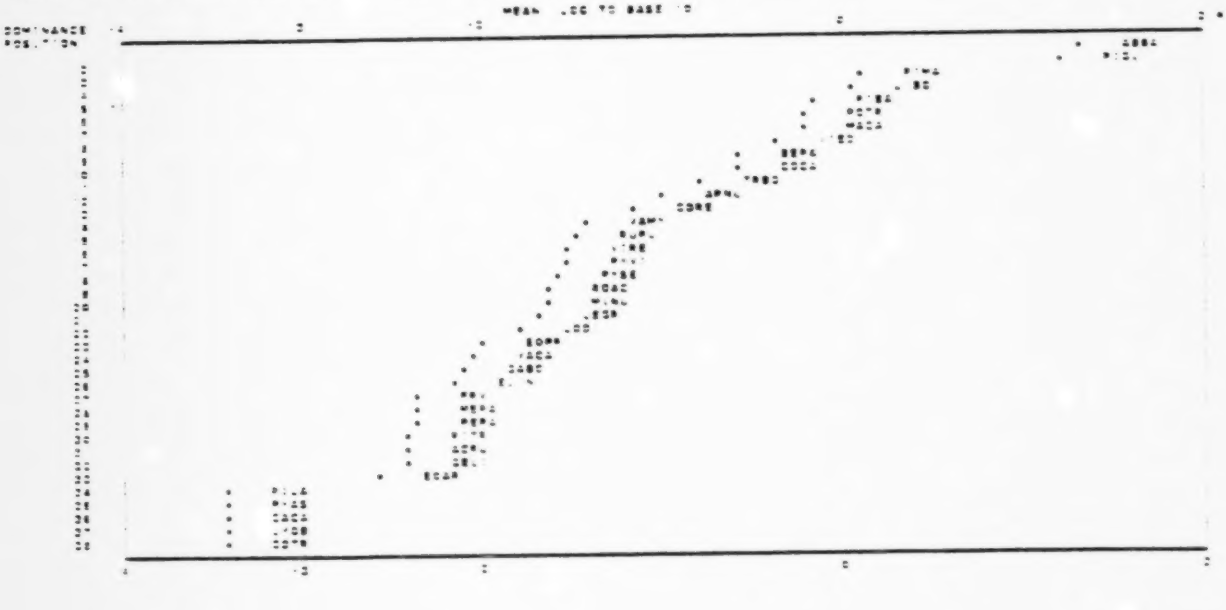
FILE 5482V CREATION DATE = 04/17/83 Stand 4 128 y old Spruce-Fir

SUBFILE UNIT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	20.00000	9.55406	1.9104	0.38954	1.00000	40.00000
Betula papyrifera	BEPA	25	20.000	0.28040	0.63082	0.1261	0.82768	0.0	4.00000
Pinus banksiana	PIBA	25	24.000	0.88000	1.70000	0.34000	0.5151	0.0	7.00000
Picea glauca	PIGL	25	100.000	15.36000	8.82648	1.76530	0.11492	1.00000	30.00000
Picea mariana	PIMA	25	32.000	1.32000	2.11881	0.42376	0.32084	0.0	7.00000
Populus tremuloides	POTR	25	32.000	0.58480	1.31431	0.26286	0.45088	0.0	4.00000
Ledum groenlandicum	LEGR	25	12.000	0.02080	0.0894	0.01789	0.86030	0.0	0.5000
Lonicera dioica	LODI	25	24.000	0.07680	0.2271	0.06742	0.44240	0.0	1.0000
Lonicera involucrata	LOIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	16.000	0.32480	1.10100	0.22020	0.81452	0.0	5.0000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ribes triste	RITR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.1000
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium caespitosum	VACA	25	12.000	0.00560	0.02784	0.00557	0.654	0.0	0.1000
Vaccinium myrtilloides	VAMY	25	56.000	0.03200	0.04761	0.00952	0.28058	0.0	0.1000
Vaccinium vitis-idaea	VAVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viburnum edule	VIED	25	64.000	0.43720	0.7363	0.14726	0.33683	0.0	3.00000
Actaea rubra	ACRU	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.1000
Aralia nudicaulis	ARNU	25	48.000	0.10160	0.22209	0.04441	0.43719	0.0	1.00000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	88.000	0.28240	0.2079	0.04158	0.1472	0.0	1.0000
Fragaria virginiana	FRVI	25	8.000	0.00440	0.02002	0.00400	0.90941	0.0	0.1000
Galium boreale	GABO	25	44.000	0.00800	0.01979	0.00396	0.49476	0.0	0.1000
Geocaulon lividum	GELI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.1000
Goodyera repens	GORE	25	92.000	0.27040	0.944	0.0888	0.1383	0.0	4.00000
Linnaea borealis	LIBO	25	84.000	1.5600	1.28904	0.25781	0.22202	0.0	5.00000
Maianthemum canadense	MACA	25	100.000	0.54000	0.55871	0.11174	0.19191	0.10000	2.00000
Mertensia paniculata	MEPA	25	8.000	0.00440	0.02002	0.00400	0.90981	0.0	0.1000
Mitella nuda	MINU	25	16.000	0.02440	0.1100	0.02200	0.81452	0.0	0.5000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	8.000	0.00440	0.02002	0.00400	0.90981	0.0	0.1000
Pyrola asarifolia	PYAS	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pyrola secunda	PYSE	25	44.000	0.02640	0.2424	0.00848	0.32122	0.0	0.1000
Pyrola virens	PYVI	25	60.000	0.03120	0.04430	0.00886	0.28205	0.0	0.1000
Rubus pubescens	RUPU	25	8.000	0.03200	0.1288	0.02257	0.64244	0.0	0.5000
Trientalis borealis	TRBO	25	56.000	0.19760	0.28374	0.05675	0.23478	0.0	1.00000
Viola renifolia	VIRE	25	48.000	0.02160	0.0122	0.01025	0.64069	0.0	0.5000
Elymus innovatus	ELIN	25	32.000	0.00680	0.01094	0.00219	0.56602	0.0	0.0500
Calamagrostis canadensis	CACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Equisetum arvense	EQAR	25	28.000	0.00280	0.00458	0.00092	0.32733	0.0	0.01000
Equisetum pratense	EQPR	25	84.000	0.01000	0.01131	0.00287	0.28729	0.0	0.1000
Lycopodium obscurum	LYOB	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lycopodium annotinum	LYAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coralorhiza trifida	COTR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2784
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.3311 NATURAL LOGARITHMS

38 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 41.2800

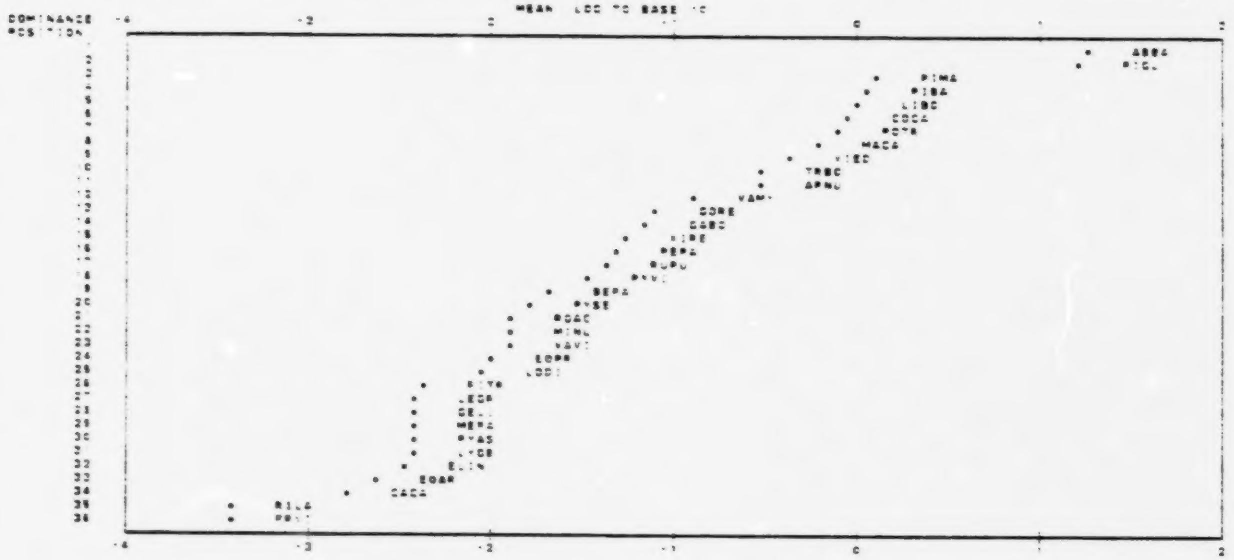


MONDO-SLAVE LAKE STAND 4 1982 VASCULAR MONTHLY SURVEY 04/17/83 PAGE 4
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE 5482V (CREATION DATE = 04/17/83) STAND 4 (128), OLD SPRUCE-FIR 1982 VASCULAR COVER % DATA (5x5m)
SUBFILE JL09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	17.96000	8.84816	1.76962	0.09853	5.00000	35.00000
Betula papyrifera	BEPA	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Pinus banksiana	PIBA	25	16.000	1.12000	2.96254	0.59251	0.52903	0.0	12.00000
Picea glauca	PIGL	25	96.000	18.40000	9.36305	1.87261	0.10178	0.0	25.00000
Picea mariana	PIMA	25	32.000	1.32000	2.26749	0.45350	0.34362	0.0	7.00000
Populus tremuloides	POTR	25	56.000	0.77360	1.78779	0.35756	0.46478	0.0	7.00000
Ledum groenlandicum	LEGR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Lonicera dioica	LODI	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Lonicera involucrata	LOIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	24.000	0.01320	0.03284	0.00656	0.49818	0.0	0.10000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ribes triste	RITR	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium caespitosum	VACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	56.000	0.13240	0.19277	0.03855	0.29119	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	12.000	0.01200	0.03317	0.00663	0.55277	0.0	0.10000
Viburnum edule	VIED	25	56.000	0.44840	0.94183	0.18839	0.42013	0.0	4.00000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	52.000	0.29320	0.64165	0.12833	0.43769	0.0	3.00000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	96.000	0.84400	0.75558	0.15112	0.17905	0.0	3.00000
Fragaria virginiana	FRVI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Galium boreale	GABO	25	48.000	0.06600	0.19912	0.03982	0.60340	0.0	1.00000
Geocaulon lividum	GELI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Goodyera repens	GORE	25	80.000	0.08320	0.13350	0.02670	0.32092	0.0	0.50000
Linnaea borealis	LIBO	25	76.000	1.00400	1.11448	0.22290	0.22201	0.0	4.00000
Maianthemum canadense	MACA	25	100.000	0.63880	0.52648	0.10530	0.16535	0.01000	2.00000
Mertensia paniculata	MEPA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Mitella nuda	MINU	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	24.000	0.04880	0.13854	0.02771	0.56780	0.0	0.50000
Pyrola asarifolia	PYAS	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Pyrola secunda	PYSE	25	48.000	0.01560	0.03216	0.00643	0.41229	0.0	0.10000
Pyrola virens	PYVI	25	40.000	0.03440	0.10227	0.02045	0.59459	0.0	0.50000
Rubus pubescens	RUPU	25	20.000	0.04480	0.13845	0.02769	0.61807	0.0	0.50000
Trientalis borealis	TRBO	25	88.000	0.30040	0.49135	0.09827	0.32713	0.0	2.00000
Viola renifolia	VIRE	25	40.000	0.05240	0.10437	0.02087	0.39838	0.0	0.50000
Elymus innovatus	ELIN	25	32.000	0.00320	0.00476	0.00095	0.29756	0.0	0.01000
Calamagrostis canadensis	CACA	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Equisetum arvense	EQAR	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Equisetum pratense	EQPR	25	64.000	0.01000	0.01936	0.00387	0.38730	0.0	0.10000
Lycopodium obscurum	LYOB	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Lycopodium tristachyum	LYTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 36 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3429
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.4578 (NATURAL LOGARITHMS)

36 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 41.6876

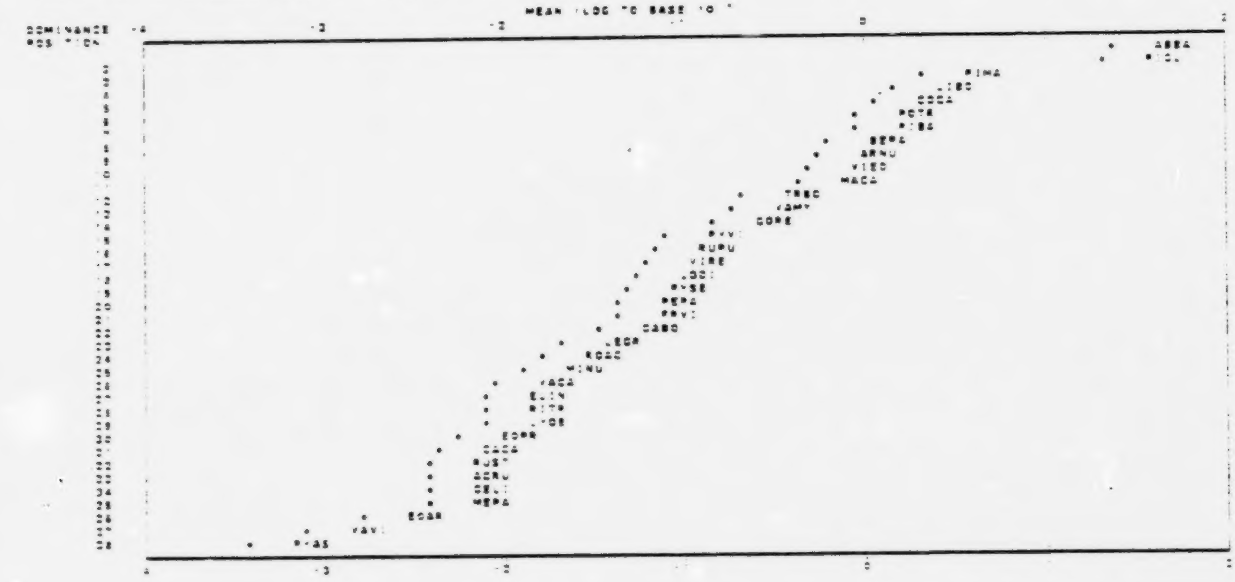


Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 5
Descriptive Statistics for Each Species Variable and the Stand
FILE S482V CREATION DATE = 04/17/83 Stand 4 (128 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m)
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	22.24000	11.55160	2.31032	0.10388	3.00000	45.00000
Betula papyrifera	BEPA	25	24.000	0.64480	2.07782	0.41556	0.64448	-0.0	8.00000
Pinus banksiana	PIBA	25	28.000	0.84000	1.84120	0.36824	0.43838	-0.0	8.00000
Picea glauca	PIGL	25	100.000	20.00000	11.31720	2.26344	0.11317	2.00000	45.00000
Picea mariana	PIMA	25	32.000	2.12000	3.59768	0.71954	0.33940	-0.0	11.00000
Populus tremuloides	POTR	25	80.000	0.91800	1.90419	0.38084	0.41486	-0.0	8.00000
Ledum groenlandicum	LEGR	25	4.000	0.02000	0.10000	0.02000	1.00000	-0.0	0.50000
Lonicera dioica	LODI	25	28.000	0.05280	0.13852	0.02770	0.52470	-0.0	0.50000
Lonicera involucrata	LOIN	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Rosa acicularis	ROAC	25	28.000	0.01720	0.03703	0.00741	0.43085	-0.0	0.10000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Ribes triste	RITR	25	8.000	0.00800	0.02769	0.00554	0.69222	-0.0	0.10000
Rubus strigosus	RUST	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Vaccinium caespitosum	VACA	25	12.000	0.00840	0.02764	0.00553	0.65811	-0.0	0.10000
Vaccinium myrtilloides	VAMY	25	80.000	0.17720	0.43567	0.08713	0.49172	-0.0	2.00000
Vaccinium vitis-idaea	VAVI	25	8.000	0.00080	0.00277	0.00055	0.69222	-0.0	0.01000
Viburnum edule	VIED	25	56.000	0.48000	0.69498	0.13899	0.28958	-0.0	2.00000
Actaea rubra	ACRU	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Aralia nudicaulis	ARNU	25	52.000	0.55600	1.12848	0.22569	0.40592	-0.0	4.00000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Cornus canadensis	COCA	25	96.000	1.09200	0.85922	0.17184	0.15737	-0.0	3.00000
Fragaria virginiana	FRVI	25	12.000	0.04040	0.13834	0.02767	0.68484	-0.0	0.50000
Galium boreale	GABO	25	48.000	0.03520	0.10203	0.02041	0.57983	-0.0	0.50000
Geocaulon lividum	GELI	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Goodyera repens	GORE	25	96.000	0.13680	0.14029	0.02806	0.20510	-0.0	0.50000
Linnaea borealis	LIBO	25	80.000	1.44800	1.53572	0.30714	0.21212	-0.0	5.00000
Maianthemum canadense	MACA	25	100.000	0.43640	0.34323	0.06865	0.15735	0.01000	1.00000
Mertensia paniculata	MEPA	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Mitella nuda	MINU	25	12.000	0.01200	0.03317	0.00663	0.55277	-0.0	0.10000
Moneses uniflora	MONU	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Petasites palmatus	PEPA	25	32.000	0.04440	0.10425	0.02085	0.46958	-0.0	0.50000
Pyrola asarifolia	PYAS	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
Pyrola secunda	PYSE	25	64.000	0.04800	0.04691	0.00938	0.19542	-0.0	0.10000
Pyrola virens	PYVI	25	76.000	0.07760	0.09597	0.01919	0.24735	-0.0	0.50000
Rubus pubescens	RUPU	25	20.000	0.07200	0.21884	0.04377	0.60815	-0.0	1.00000
Trientalis borealis	TRBO	25	52.000	0.19680	0.31104	0.06221	0.31610	-0.0	1.00000
Viola renifolia	VIRE	25	40.000	0.06480	0.13772	0.02754	0.42507	-0.0	0.50000
Elymus innovatus	ELIN	25	44.000	0.00800	0.01979	0.00396	0.49475	-0.0	0.10000
Calamagrostis canadensis	CACA	25	8.000	0.00440	0.02003	0.00400	0.90985	-0.0	0.10000
Equisetum arvense	EQAR	25	16.000	0.00160	0.00374	0.00075	0.46771	-0.0	0.01000
Equisetum pratense	EQPR	25	56.000	0.00560	0.00507	0.00101	0.18084	-0.0	0.01000
Lycopodium obscurum	LYOB	25	8.000	0.00800	0.02769	0.00554	0.69222	-0.0	0.10000
Lycopodium tristachyum	LYTR	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2272
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.4981 NATURAL LOGARITHMS

38 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 51.6096

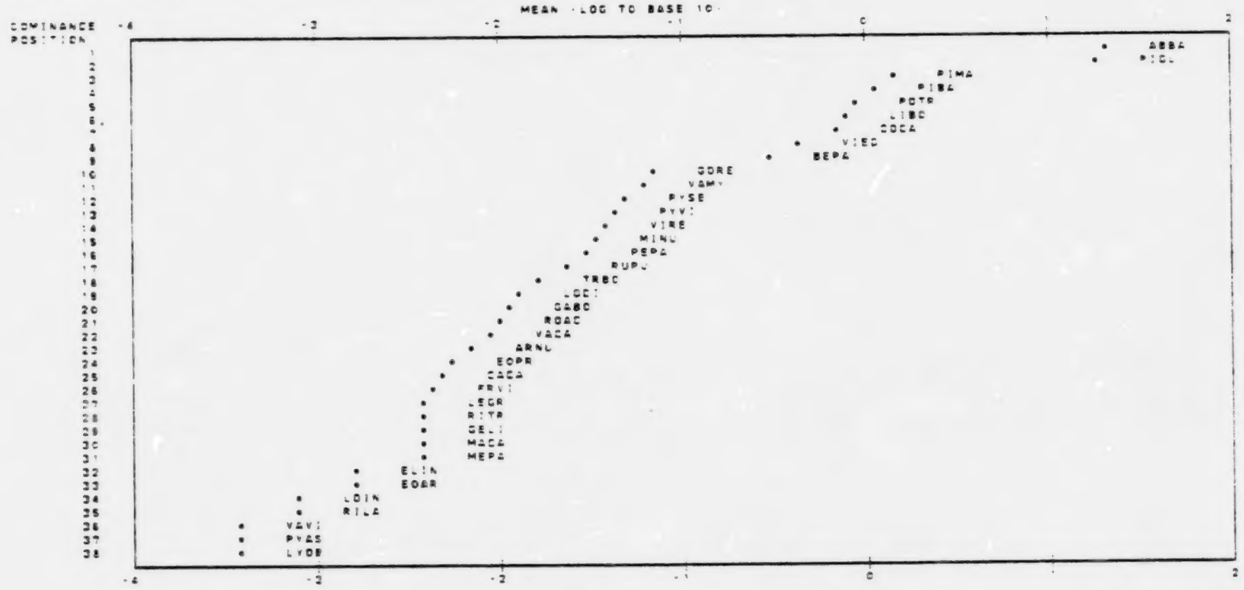


Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S482V CREATION DATE = 04/17/83 Stand 4 (128 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m)
SUBFILE SE1C

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	21.00000	10.34811	2.06962	0.09855	3.00000	40.00000
Betula papyrifera	BEPA	25	20.000	0.28840	0.97768	0.19554	0.67800	0.0	4.00000
Pinus banksiana	PIBA	25	24.000	1.08000	2.19887	0.43935	0.40685	0.0	7.00000
Picea glauca	PIGL	25	96.000	18.52000	13.32579	2.66516	0.14402	0.0	50.00000
Picea mariana	PIMA	25	28.000	1.40000	2.64575	0.52915	0.37796	0.0	10.00000
Populus tremuloides	POTR	25	56.000	0.85320	1.36674	0.27335	0.32038	0.0	4.00000
Ledum groenlandicum	LEGR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Lonicera dioica	LODI	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Lonicera involucrata	LOIN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Rosa acicularis	ROAC	25	24.000	0.00960	0.02746	0.00549	0.57206	0.0	0.10000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Ribes triste	RITR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium caespitosum	VACA	25	12.000	0.00840	0.02764	0.00553	0.65811	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	48.000	0.05840	0.13774	0.02755	0.47171	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Viburnum edule	VIED	25	56.000	0.41360	1.05581	0.21116	0.51055	0.0	5.00000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	32.000	0.00680	0.01994	0.00399	0.58652	0.0	0.10000
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	100.000	0.71240	0.56244	0.11249	0.15790	0.01000	2.00000
Fragaria virginiana	FRVI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Galium boreale	GABO	25	36.000	0.01080	0.02722	0.00544	0.50410	0.0	0.10000
Geocaulon lividum	GELI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Goodyera repens	GORE	25	88.000	0.06640	0.04581	0.00916	0.13800	0.0	0.10000
Linnaea borealis	LIBO	25	84.000	0.78440	1.01403	0.20281	0.25855	0.0	4.00000
Maianthemum canadense	MACA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Mertensia paniculata	MEPA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Mitella nuda	MINU	25	16.000	0.03200	0.10296	0.02059	0.64348	0.0	0.50000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	20.000	0.02880	0.10195	0.02039	0.70800	0.0	0.50000
Pyrola asarifolia	PYAS	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pyrola secunda	PYSE	25	60.000	0.04720	0.10310	0.02062	0.43688	0.0	0.50000
Pyrola virens	PYVI	25	56.000	0.04520	0.04968	0.00994	0.21980	0.0	0.10000
Rubus pubescens	RUPU	25	16.000	0.02480	0.10100	0.02020	0.81452	0.0	0.50000
Trientalis borealis	TRBO	25	20.000	0.01640	0.03729	0.00746	0.45478	0.0	0.10000
Viola renifolia	VIRE	25	52.000	0.03760	0.04790	0.00958	0.25476	0.0	0.10000
Elymus innovatus	ELIN	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Calamagrostis canadensis	CACA	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Equisetum arvense	EOAR	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Equisetum pratense	EOPR	25	20.000	0.00560	0.02002	0.00400	0.71488	0.0	0.10000
Lycopodium obscurum	LYOB	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lycopodium tristachyum	LYTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3813
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.2752 (NATURAL LOGARITHMS)

38 OF THE 45 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 45.4880

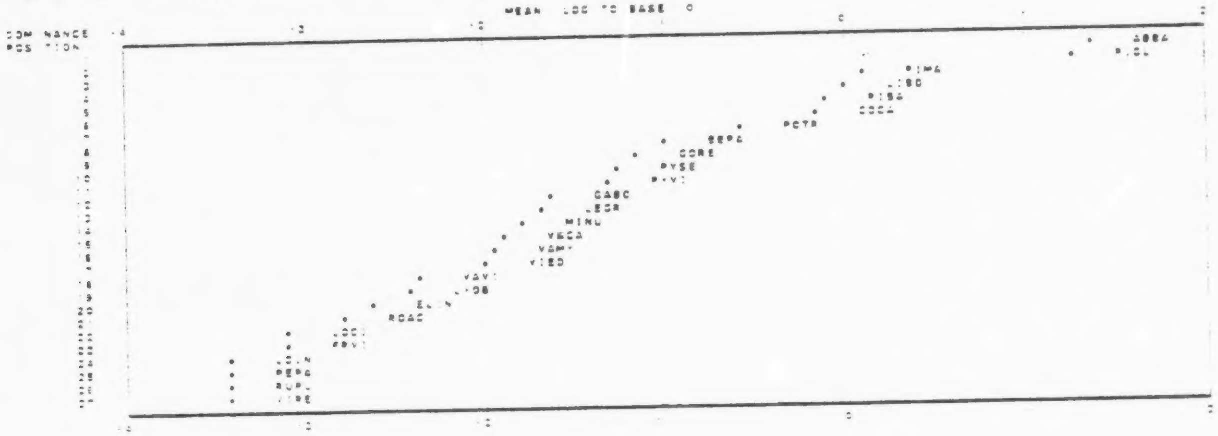


Honge-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S482V (CREATION DATE = 04/17/83) Stand 4 128 y old Spruce-Fir 1982 Vascular Cover % Data 5x5m
SUBFILE CC10

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	100.000	22.04000	11.84783	2.36958	0.10751	2.00000	50.00000
Betula papyrifera	BEPA	25	16.000	0.10000	0.25000	0.05000	0.50000	0.0	1.00000
Pinus banksiana	PIBA	25	32.000	0.76400	1.50579	0.30116	0.39419	0.0	5.00000
Picea glauca	PIGL	25	100.000	17.84000	10.67193	2.13439	0.11964	1.00000	45.00000
Picea mariana	PIMA	25	28.000	1.32000	2.30434	0.46087	0.34914	0.0	7.00000
Populus tremuloides	POTR	25	36.000	0.26120	0.57896	0.11579	0.44331	0.0	2.00000
Ledum groenlandicum	LEGR	25	12.000	0.02080	0.09987	0.01997	0.96030	0.0	0.50000
Lonicera dioica	LODI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Lonicera involucrata	LOIN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rosa acicularis	ROAC	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes triste	RITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium caespitosum	VACA	25	16.000	0.01240	0.03308	0.00662	0.53348	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	44.000	0.01160	0.02703	0.00541	0.46605	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	8.000	0.00440	0.02007	0.00400	0.90985	0.0	0.10000
Viburnum edule	VIED	25	32.000	0.01040	0.02731	0.00546	0.52513	0.0	0.10000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	56.000	0.66000	0.58310	0.11662	0.17670	0.0	3.00000
Fragaria virginiana	FRVI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Galium boreale	GABO	25	24.000	0.02200	0.09967	0.01993	0.90606	0.0	0.50000
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodyera repens	GORE	25	44.000	0.07360	0.04329	0.00866	0.11764	0.0	0.10000
Linnaea borealis	LIBO	25	86.000	1.35800	1.40162	0.28033	0.20643	0.0	4.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mertensia paniculata	MEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	20.000	0.01840	0.03729	0.00746	0.40476	0.0	0.10000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pyrola asarifolia	PYAS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	64.000	0.05480	0.10320	0.02064	0.37664	0.0	0.50000
Pyrola virens	PYVI	25	80.000	0.04920	0.04980	0.00996	0.20249	0.0	0.10000
Rubus pubescens	RUPU	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Trientalis borealis	TRBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	24.000	0.00240	0.00436	0.00087	0.36224	0.0	0.01000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum pratense	EQPR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium obscurum	LYOB	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Lycopodium tristachyum	LYTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 27 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4112
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.1307 (NATURAL LOGARITHMS)

27 OF THE 45 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 44.6320



Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 13
Statistics for Soil Temperature and Synthetic Variables
FILE S482V (CREATION DATE = 04/17/83) Stand 4 (128 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m)
SUBFILE MAO8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	35.84000	3.36264	0.67251	0.01825	33.00000	45.00000
Tree Cover %	TREECV	25	100.000	48.58400	11.25377	2.25075	0.04633	31.00000	72.00000
Shrub Cover %	SHRBCV	25	88.000	0.69920	0.85364	0.17073	0.24418	0.0	2.02000
Forb Cover %	FORBCV	25	100.000	0.34000	0.26841	0.05368	0.15789	0.03000	1.01000
Graminoid Cover %	GRAMCV	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pteridophyte Cover %	PTERCV	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	3.04000	0.78951	0.15790	0.05194	2.00000	5.00000
Shrub Species Richness	SHRBRP	25	88.000	1.64000	0.99499	0.19900	0.12134	0.0	4.00000
Forb Species Richness	FORBRP	25	100.000	3.04000	0.97809	0.19562	0.06435	2.00000	5.00000
Graminoid Species Richness	GRAMRP	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Pteridophyte Species Richness	PTERRP	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Total Vascular Cover %	TOTLCV	25	100.000	49.62799	10.83226	2.16645	0.04365	33.22998	72.53000
Total Vascular Species Richness	TOTLRP	25	100.000	7.84000	1.65025	0.33005	0.04210	5.00000	11.00000

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S482V (CREATION DATE = 04/17/83) Stand 4 (128 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m)
SUBFILE JN11

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm. degrees F	TEMP	25	100.000	54.20000	3.59398	0.71880	0.01326	46.00000	60.00000
Tree Cover %	TREECV	25	100.000	38.18520	10.10219	2.02044	0.05291	23.00000	60.00999
Shrub Cover %	SHRBCV	25	96.000	1.70640	1.70809	0.34162	0.20020	0.0	6.30000
Forb Cover %	FORBCV	25	100.000	1.33800	0.81206	0.16242	0.12139	0.31000	3.15000
Graminoid Cover %	GRAMCV	25	36.000	0.00720	0.01990	0.00398	0.55277	0.0	0.10000
Pteridophyte Cover %	PTERCV	25	80.000	0.01320	0.01905	0.00382	0.28920	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	3.08000	0.99666	0.19933	0.06472	2.00000	6.00000
Shrub Species Richness	SHRBRP	25	96.000	2.76000	1.23423	0.24685	0.08944	0.0	5.00000
Forb Species Richness	FORBRP	25	100.000	6.64000	2.11896	0.42379	0.06382	4.00000	12.00000
Graminoid Species Richness	GRAMRP	25	36.000	0.36000	0.48990	0.09798	0.27217	0.0	1.00000
Pteridophyte Species Richness	PTERRP	25	80.000	0.96000	0.61101	0.12220	0.12729	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	41.24997	9.93311	1.98662	0.04840	25.03998	62.94997
Total Vascular Species Richness	TOTLRP	25	100.000	13.80000	3.25320	0.65064	0.04715	9.00000	23.00000

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S482V CREATION DATE = 04/17/83 Stand 4 (128 y old Spruce-Fir) 1982 Vascular Cover % Data (5x5m)
SUBFILE JL09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	56.52000	3.45109	0.69022	0.01221	49.00000	65.00000
Tree Cover %	TREECV	25	100.000	37.55360	11.16164	2.23233	0.05944	17.00000	57.00000
Shrub Cover %	SHRBCV	25	96.000	1.62800	1.69034	0.33807	0.20766	0.0	6.12000
Forb Cover %	FORBCV	25	100.000	2.44480	1.73341	0.34668	0.14180	0.64000	7.20000
Graminoid Cover %	GRAMCV	25	48.000	0.00480	0.00510	0.00102	0.21246	0.0	0.01000
Pteridophyte Cover %	PTERCV	25	76.000	0.01640	0.02737	0.00547	0.33375	0.0	0.11000
Tree Species Richness	TREERP	25	100.000	3.04000	0.78951	0.15790	0.05194	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	96.000	2.60000	1.47196	0.29439	0.11323	0.0	6.00000
Forb Species Richness	FORBRP	25	100.000	6.40000	1.50000	0.30000	0.04687	4.00000	10.00000
Graminoid Species Richness	GRAMRP	25	48.000	0.48000	0.50990	0.10198	0.21246	0.0	1.00000
Pteridophyte Species Richness	PTERRP	25	76.000	0.92000	0.64031	0.12806	0.13920	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	41.68758	11.60063	2.32013	0.05566	19.93997	68.24998
Total Vascular Species Richness	TOTLRP	25	100.000	13.44000	2.70924	0.54185	0.04032	10.00000	19.00000

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/17/83 PAGE 1[illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE S482V CREATION DATE = 04/17/83 Stand 4 (28 y old Spruce-Fir) 1982 Vascular Cover % Data 5x5m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	60.36000	1.80000	0.36000	0.00596	58.00000	64.00000
Tree Cover %	TREECV	25	100.000	46.76279	11.85715	2.37143	0.05071	26.39999	[illegible]
Shrub Cover %	SHRBCV	25	96.000	2.19640	2.19725	0.43945	0.20008	0.0	[illegible]
Forb Cover %	FORBCV	25	100.000	2.82280	1.86284	0.37277	0.13200	0.41000	[illegible]
Graminoid Cover %	GRAMCV	25	44.000	0.01240	0.02697	0.00539	0.43481	0.0	0.10000
Pteridophyte Cover %	PTERCV	25	64.000	0.01520	0.02[illegible]	0.00542	0.35364	0.0	[illegible]
Tree Species Richness	TREERP	25	100.000	3.64000	[illegible]	[illegible]	0.04160	3.00000	6.00000
Shrub Species Richness	SHRBRP	25	96.000	2.84000	1.52622	0.30725	0.10884	0.0	6.00000
Forb Species Richness	FORBRP	25	100.000	[illegible]	1.92951	0.38592	0.05390	4.00000	[illegible]
Graminoid Species Richness	GRAMRP	25	48.000	0.52000	0.58595	[illegible]	0.22536	0.0	2.00000
Pteridophyte Species Richness	PTERRP	25	64.000	0.80000	0.70711	0.14142	0.17678	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	51.80957	12.38104	2.47621	0.04782	28.[illegible]	82.[illegible]
Total Vascular Species Richness	TOTLRP	25	100.000	15.00000	2.[illegible]	[illegible]	0.04234	[illegible]	25.00000

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/[illegible]/83 PAGE [illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE S482V CREATION DATE = 04/[illegible]/83 Stand 4 (28 y old Spruce-Fir) 1982 Vascular Cover % Data 5x5m
SUBFILE SEPT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	48.40000	2.64550	[illegible]	[illegible]	4[illegible].00000	5[illegible].00000
Tree Cover %	TREECV	25	100.000	43.[illegible]	15.89446	3.[illegible]	[illegible]	[illegible]	74.30300
Shrub Cover %	SHRBCV	25	96.000	1.39720	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Forb Cover %	FORBCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMCV	25	28.000	0.00640	[illegible]	0.00399	0.62422	0.0	[illegible]
Pteridophyte Cover %	PTERCV	25	40.000	0.00760	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Tree Species Richness	TREERP	25	100.000	3.24000	[illegible]	[illegible]	0.04804	[illegible]	5.00000
Shrub Species Richness	SHRBRP	25	96.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	6.00000
Forb Species Richness	FORBRP	25	100.000	5.20000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	GRAMRP	25	28.000	0.28000	0.45826	[illegible]	[illegible]	0.0	[illegible]
Pteridophyte Species Richness	PTERRP	25	40.000	0.40000	0.50000	0.10000	0.25000	0.0	[illegible]
Total Vascular Cover %	TOTLCV	25	100.000	45.[illegible]	[illegible]	[illegible]	[illegible]	20.[illegible]	[illegible]
Total Vascular Species Richness	TOTLRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	6.00000	[illegible]

Hondo-Slave Lake Stand 4 1982 Vascular Monthly Survey 04/[illegible]/83 PAGE [illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE S482V CREATION DATE = 04/[illegible]/83 Stand 4 (28 y old Spruce-Fir) 1982 Vascular Cover % Data 5x5m
SUBFILE OCT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	50.24000	[illegible]	[illegible]	[illegible]	46.00000	55.00000
Tree Cover %	TREECV	25	100.000	43.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.[illegible]
Shrub Cover %	SHRBCV	25	92.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMCV	25	24.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERCV	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	TREERP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	SHRBRP	25	92.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	FORBRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	GRAMRP	25	24.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	PTERRP	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	TOTLCV	25	100.000	44.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	TOTLRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEASYN Project. Mondo-Slave Lake Stand 5
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BEPA	PIGL	POBA	POTR	AMAL	LODI	LOIN	ROPE	RIGL	RILA	RITR	ROAC	RUST	SYAL	VAVI	VIED	ACMI	ARNU	ASCI	ASCO	ACRL	COCA	COTR	EPAN
MAY																									
	0A	0	10 0	0	3 00	0	0	010	0	0	0	0	010	010	010	100	100	010	0	010	0	0	500	0	0
	0C	0	12 0	0	3 00	0	010	010	0	0	0	0	010	0	0	0	100	0	0	010	0	0	500	0	0
	0E	0	9 00	0	2 30	0	0	100	0	0	0	0	010	0	0	0	100	0	0	100	0	0	100	0	0
	0G	0	3 00	0	2 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	0	0	0	100	0	0
	0I	500	5 00	0	4 00	0	0	0	0	0	0	0	010	0	0	0	100	0	0	100	0	0	500	0	0
	2I	0	15 0	0	4 00	0	0	0	0	0	0	0	010	0	0	0	010	0	0	100	0	0	100	0	0
	2G	0	13 0	0	3 00	0	0	010	0	0	0	0	010	0	0	0	010	010	0	010	0	0	500	0	0
	2E	0	15 0	0	5 00	0	0	0	0	0	0	0	010	0	0	0	100	0	0	010	0	0	100	0	0
	2C	0	16 0	0	4 00	010	0	100	0	0	0	0	010	0	0	0	100	0	0	100	0	0	[illegible]	0	0
	2A	0	26 0	0	3 00	0	0	010	0	0	0	0	010	0	0	0	010	010	0	0	0	0	100	0	0
	4A	0	20 0	0	3 00	0	0	010	0	0	0	0	0	0	0	0	010	0	0	010	0	0	010	0	0
	4C	0	14 0	0	4 00	0	0	010	0	0	0	0	0	0	0	0	100	0	0	0	0	0	2 00	0	0
	4E	0	15 0	0	4 00	0	0	0	0	0	0	0	0	0	0	0	010	0	0	010	0	0	100	0	0
	4G	0	16 0	0	5 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	0	0	0	010	0	0
	4I	0	9 00	0	4 00	0	0	0	0	0	0	0	100	0	0	0	100	0	0	010	0	0	1 00	0	0
	6I	0	15 0	0	4 00	0	0	010	0	0	0	0	0	0	0	0	010	0	0	0	0	0	500	0	0
	6G	0	18 0	0	5 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	0	0	0	1 00	0	0
	6E	500	11 0	0	3 00	010	0	0	0	0	0	0	0	0	0	0	100	0	0	010	0	0	2 00	0	0
	6C	0	18 0	0	3 00	0	0	0	0	0	0	0	010	0	0	0	010	010	0	0	0	0	2 00	0	0
	6A	0	26 0	0	4 00	0	0	0	0	0	0	0	010	0	0	0	010	0	0	0	0	0	1 00	0	0
	8A	0	12 0	0	4 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	010	0	0	500	0	0
	8C	0	25 0	0	5 00	0	0	100	0	0	0	0	010	0	0	0	010	0	0	0	0	0	500	0	0
	8E	0	15 0	0	3 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	0	0	0	100	0	0
	8G	0	18 0	0	3 00	010	0	010	0	0	0	0	100	0	0	100	100	0	0	0	0	0	[illegible]	0	0
	8I	0	18 0	0	4 00	0	0	010	0	0	0	0	010	0	0	0	100	0	0	0	0	0	500	0	0
Mean		046	12 8	0	3 80	001	000	018	0	0	0	0	015	000	000	004	064	002	0	020	0	0	825	0	0
JUN																									
	0A	0	8 00	0	3 00	0	500	100	0	0	0	100	100	0	0	100	2 00	100	500	100	100	100	2 00	0	100
	0C	0	8 00	0	5 00	0	100	500	0	0	0	100	010	0	0	0	2 00	100	500	0	100	100	100	010	100
	0E	0	10 0	0	2 00	0	500	100	0	0	0	0	500	0	0	0	4 00	0	2 00	500	0	100	3 00	0	500
	0G	0	2 00	0	4 00	0	0	100	0	0	0	500	500	0	0	0	2 00	0	100	500	0	100	500	0	100
	0I	100	2 00	0	4 00	0	0	0	0	0	0	500	500	0	0	0	2 00	010	2 00	100	500	0	4 00	0	100
	2I	0	10 0	0	5 00	0	0	0	0	0	0	500	500	0	0	0	1 00	0	3 00	500	0	100	100	0	0
	2G	0	12 0	0	3 00	0	0	100	0	0	0	500	500	0	100	0	500	100	100	500	010	0	500	0	0
	2E	0	15 0	0	3 00	0	100	500	0	0	100	100	500	0	0	0	2 00	010	3 00	500	010	010	500	0	100
	2C	0	10 0	0	4 00	0	100	100	0	0	100	500	100	0	0	0	2 00	010	100	500	500	500	2 00	0	100
	2A	0	20 0	0	3 00	0	100	2 00	0	0	100	100	500	0	010	0	100	100	100	0	010	100	100	010	100
	4A	0	25 0	0	4 00	0	100	500	0	0	0	100	010	0	0	0	500	0	100	500	100	100	100	0	0
	4C	0	10 0	0	10 0	0	500	100	0	0	100	0	100	0	0	0	100	010	100	500	010	500	100	0	0
	4E	0	20 0	0	7 00	0	500	500	0	0	100	500	500	0	0	0	100	0	2 00	100	0	0	100	010	0
	4G	0	10 0	0	15 0	100	0	100	0	0	0	100	500	0	0	0	2 00	010	2 00	100	0	0	100	0	010
	4I	0	10 0	0	16 0	0	100	0	0	0	0	010	500	010	0	0	3 00	010	2 00	100	500	010	2 00	0	0
	6I	0	20 0	0	7 00	0	0	100	0	0	010	100	100	0	0	0	2 00	010	3 00	100	0	0	100	010	0
	6G	0	8 0	0	4 00	0	0	100	0	0	0	100	100	0	0	0	2 00	100	2 00	100	0	0	2 00	0	010
	6E	3 00	15 0	0	8 00	500	0	0	0	0	0	100	100	0	0	0	4 00	0	2 00	100	100	100	100	0	0
	6C	0	17 0	0	7 00	0	0	500	0	0	010	0	100	0	0	0	2 00	[illegible]	2 00	100	0	100	3 00	0	0
	6A	0	30 0	0	12 0	0	100	0	0	0	0	010	100	0	0	0	100	0	100	100	0	100	500	0	0
	8A	0	15 0	0	10 0	0	100	2 00	0	0	0	100	3 00	0	0	0	4 00	0	100	500	100	0	3 00	0	100
	8C	0	25 0	0	13 0	0	100	3 00	0	0	0	010	1 00	0	0	0	2 00	0	2 00	100	100	100	100	0	0
	8E	0	12 0	010	8 00	0	100	500	0	0	0	010	1 00	0	0	0	3 00	010	2 00	100	010	0	500	0	0
	8G	0	24 0	0	5 00	010	0	3 00	0	0	0	100	1 00	010	0	010	4 00	0	4 00	500	100	010	2 00	0	500
	8I	0	14 0	0	15 0	0	010	500	0	0	010	010	100	0	0	0	2 00	0	3 00	500	0	010	100	0	0
Mean		[illegible]	16 5	005	5 72	024	120	664	0	0	021	234	5 13	001	004	004	2 12	024	1 92	276	126	084	1 47	002	093
JUL																									
	0A	0	18 0	0	10 0	0	500	500	0	0	0	100	3 00	500	100	500	4 00	100	4 00	100	0	100	2 00	0	100
	0C	0	14 0	0	17 0	100	500	100	0	0	0	100	500	0	0	0	8 00	100	4 00	100	100	500	5 00	0	100
	0E	0	26 0	0	5 00	0	500	2 00	0	0	0	0	2 00	0	0	0	4 00	010	5 00	2 00	0	500	4 00	0	2 00
	0G	0	5 00	0	10 0	0	0	3 00	0	0	0	100	100	0	0	0	5 00	010	4 00	2 00	0	0	12 0	0	2 00
	0I	3 00	3 00	0	5 00	0	0	0	0	0	0	100	100	0	0	0	7 00	010	10 0	100	100	0	8 00	0	2 00
	2I	0	20 0	0	7 00	0	0	0	0	0	010	500	2 00	0	0	0	4 00	0	10 0	100	0	100	7 00	0	0
	2G	0	15 0	0	5 00	0	0	4 00	0	0	010	0	2 00	0	100	0	2 00	100	5 00	100	500	0	4 00	0	100
	2E	0	19 0	0	10 0	0	010	100	0	0	010	2 00	500	0	0	0	4 00	0	8 00	100	100	500	5 00	0	500
	2C	0	10 0	0	8 00	500	500	3 00	0	0	0	100	2 00	0	0	0	4 00	010	10 0	2 00	100	500	4 00	0	100
	2A	0	25 0	0	8 00	0	100	2 00	0	0	0	100	2 00	0	0	0	3 00	010	4 00	500	100	0	3 00	0	500
	4A	0	25 0	0	8 00	0	100	100	0	0	100	500	500	0	0	0	100	0	5 00	100	0	500	2 00	0	0
	4C	0	18 0	0	8 00	0	500	2 00	0	0	100	0	4 00	0	0	0	5 00	0	7 00	100	0	500	4 00	0	0
	4E	0	8 0	0	[illegible]	0	100	100	0	0	100	0	100	0	0	0	3 00	0	5 00	500	100	0	2 00	0	0
	4G	0	7 00	0	4 00	100	100	500	0	0	0	100	500	0	0	0	100	010	5 00	2 00	0	0	4 00	0	0
	4I	0	12 0	0	4 00	0	500	0	0	0	0	2 00	500	0	100	0	100	0	8 00	2 00	100	500	7 00	0	500
	6I	0	25 0	0	7 00	0	0	0	0	0	100	500	100	0	0	0	500	010	4 00	0	100	100	3 00	0	0
	6G	0	25 0	0	7 00	0	0	100	0	0	0	100	500	0	0	0	100	100	5 00	500	0	0	5 00	0	500
	6E	[illegible]	5 0	0	8 00	100	0	0	0	0	100	100	0	0	0	0	2 00	0	8 00	100	100	500	4 00	0	0
	6C	0	26 0	0	2 00	0	100	0	0	0	100	100	2 00	0	010	0	100	100	7 00	500	010	100	10 0	0	0
	6A	0	25 0	0	3 00	0	500	0	0	0	0	100	500	0	0	0	100	0	2 00	100	0	100	100	0	0
	8A	0	7 00	0	4 00	0	100	3 00	0	0	100	0	4 00	0	0	0	3 00	100	2 00	100	100	0	4 00	0	100
	8C	0	18 0	0	3 00	0	500	2 00	0	0	0	100	2 00	0	0	0	500	0	8 00	0	500	500	2 00	0	0
	8E	0	26 0	0	4 00	0	500	500	0	0	0	100	100	0	0	0	2 00	010	5 00	100	100	500	2 00	0	0
	8G	0	26 0	0	3 00	0	100	100	0	0	100	100	100	0	0	0	4 00	0	7 00	500	3 00	0	2 00	0	100
	8I	0	18 0	0	7 00	0	100	500	0	0	0	100	100	0	0	0	100	0	8 00	2 00	100	500	500	0	0
Mean		40	18 4	0	8 96	032	284	126	0	0	022	424	46	020	012	020	2 96	027	5 88	852	480	240	4 42	0	524
AUG																									
	0A	0	15 0	0	3 00	0	100	500	0	0	0	500	2 00	0	100	100	100	100	2 00	2 00	0	0	100	0	500
	0C	0	15 0	0	15 0	0	500	500	0	100	0	0	500	0	0	0	2 00	100	4 00	2 00	500	100	5 00	0	500
	0E	0	17 0	0	4 00	0	500	500	0	0	0	0	500	0	0	0	4 00	100	5 00	3 00	0	0	4 00	0	500
	0G	0	500	0	7 00	0	0	100	0	0	0	0	500	0	0	0	2 00	0	2 00	2 00	0	100	10 0	0	100
	0I	2 00	5 00	0	5 00	0	0	0	0	0	0	100	500	0	0	0	2 00	100	10 0	2 00	500	0	10 0	0	500
	2I	0	25 0	0	8 00	0	0	0	0	0	0	100	100	0	0	0	2 00	0	12 0	4 00	0	010	5 00	0	100
	2G	0	26 0	0	4 00	0	100	2 00	0	0	0	100	500	0	0	0	100	100	10 0	100	500	0	4 00	0	100
	2E	100	0	500	100	0	100	0	0	0	100	100	500	0	0	0	0	100	10 0	2 00	500	100	3 0	0	100
	2C	0	[illegible]	0	12 0	0	100	2 00	0	0	0	100	500	0	0	0	100	100	25 0	100	500	100	3 00	0	100
	2A	0	35 0	0	4 00	0	100	100	0	0	0	0	100	0	0	0	2 00	100	3 00	500	100	100	100	0	100
	4A	0	40 0	0	5 00	0	100	100	0	100	100	0	500	0	0	0	100	0	1 00	100	0	500	2 00	0	0
	4C	0	19 0	0	4 00	0	100	100	0	0	0	100	100	0	0	0	4 00	100	10 0	100	100	100	8 00	0	0
	4E	0	25 0	0	5 00	0	500	500	0	0	100	100	500	0	0	0	500	0	5 00	500	100	0	2 00	0	0
	4G	0	35 0	0	15 0	100	500	2 00	0	0	0	100	4 00	0	0	0	6 00	010	5 00	2 00	0	0	4 00	0	0
	4I	0	15 0	0	10 0	0	100	0	0	0	0	0	2 00	0	0	0	2 00	010	10 0	4 00	100	0	10 0	0	100
	6I	0	25 0	0	[illegible]	0	0	0	0	0	0	100	2 00	0	0	0	2 00	100	6 00	8 00	500	0	4 00	0	0
	6G	0	13 0	0	12 0	0	0	2 00	0	0	0	500	2 00	0	0	0	2 00	100	5 00	3 00	0	0	3 00	0	0
	6E	5 00	24 0	0	15 0	500	0	0	0	0	0	3 00	100	0	0	0	5 00	0	4 00	4 00	100	100	3 00	0	0
	6C	0	23 0	0	7 00	0	0	100	0	0	100	100	2 00	0	010	0	2 00	100	8 00	100	0	100	10 0	0	0
	6A	0	35 0	0	13 0	0	500	0	0	0	0	100	500	0	0	0	2 00	010	3 00	2 00	0	010	3 00	0	0
	8A	0	7 0	0	7 00	0	500	2 00	0	0	0	100	4 00	0	0	0	7 00	0	6 00	4 00	1 00	0	7 00	0	2 00
	8C	0	20 0	0	12 0	0	100	2 00	0	0	0	100	3 00	0	0	0	3 00	0	10 0	2 00	500	100	4 00	0	0
	8E	0	14 0	0	7 00	0	500	500	0	0	0	500	2 00	0	0	0	2 00	010	5 00	2 00	100	0	2 00	0	0

SEADYN Project: Mongo-Slave Lake Stand 5
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

[illegible]

SEABYN Project Mondo-Slave Lake Stand 5
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PRVE	PRVI	CABC	CATR	CORE	LADE	LIBO	MACA	MEPA	MINU	OSCH	PEPA	PYAS	PYSE	PYVI	RUPU	TRBO	VIRE	CACA	ELIN	SCPU	ECSI	MICA	VIAM
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

SEADYN Project Mongo-Slave Lake Stand 5
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	E.S.	BRC
MAY			
	0A	0	0
	0C	0	0
	0E	0	0
	0G	0	0
	0I	0	0
	2I	0	0
	2G	0	0
	2E	0	0
	2C	0	0
	2A	0	0
	4A	0	0
	4C	0	0
	4E	0	0
	4G	0	0
	4I	0	0
	6I	0	0
	6G	0	0
	6E	0	0
	6C	0	0
	6A	0	0
	8A	0	0
	8C	0	0
	8E	0	0
	8G	0	0
	8I	0	0
Mean		0	0
JUNE			
	0A	0	0
	0C	0	0
	0E	0	0
	0G	0	0
	0I	0	0
	2I	0	0
	2G	0	0
	2E	0	0
	2C	0	0
	2A	0	0
	4A	0	0
	4C	0	0
	4E	0	0
	4G	0	0
	4I	0	0
	6I	0	0
	6G	0	0
	6E	0	0
	6C	0	0
	6A	0	0
	8A	0	0
	8C	0	.0
	8E	0	0
	8G	0	0
	8I	0	0
Mean		0	0
JULY			
	0A	0.10	0
	0C	0	0
	0E	0	0
	0G	0	0
	0I	0	0
	2I	0	0
	2G	0	0
	2E	0	0
	2C	0	0
	2A	0	0
	4A	0	0
	4C	0	0
	4E	0	0
	4G	0	0
	4I	0	0
	6I	0	0
	6G	0	0
	6E	0	0
	6C	0	0
	6A	0	0
	8A	0	0
	8C	0	0
	8E	0	0
	8G	0	0
	8I	0	0
Mean		.000	0
AUG			
	0A	0	0
	0C	0	0
	0E	0	0
	0G	0	0
	0I	0	0
	2I	0	0
	2G	0	0
	2E	0	0
	2C	0	0
	2A	0	0
	4A	0	0
	4C	0	0
	4E	0	0
	4G	0	0
	4I	0	100
	6I	0	0
	6G	0	0
	6E	0	0
	6C	0	0
	6A	0	0
	8A	100	0
	8C	0	0
	8E	0	0

SEADOC Project [illegible] Stand [illegible]
Monthly Survey of Vascular Plant Community
Species Cover [illegible] Values by 5x5 m Plots

Date	Plot	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
Mean		.004	.004
[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]

SEADYN Project Mondo-Slave Lake Stand 5
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MAY														
	0A	33.0	12.000	2.240	.820	0.10	0.0	1	7	6	1	0	17.070	6
	0C	33.0	16.000	4.130	1.820	0.20	0.0	1	5	7	2	0	21.970	16
	0E	33.0	11.000	1.210	1.720	0.10	0.0	2	4	8	1	0	13.940	12
	0G	33.0	5.000	4.120	1.320	0.10	0.0	1	4	6	1	0	10.450	13
	0I	33.0	5.500	1.110	2.710	0.10	0.0	2	3	5	1	0	14.330	11
	2I	33.0	19.000	5.020	2.220	0.20	0.0	2	3	5	1	0	26.260	11
	2G	33.0	15.000	1.030	1.660	0.0	0.0	2	4	9	0	0	18.690	15
	2E	33.0	20.000	1.110	1.330	0.0	0.0	1	3	7	0	0	23.440	12
	2C	33.0	14.000	2.220	3.220	0.20	0.0	1	5	6	1	0	20.460	15
	2A	34.0	23.000	4.030	.730	0.0	0.0	2	4	6	0	0	27.760	12
	4A	33.0	23.000	8.020	2.140	0.0	0.0	2	3	6	0	0	33.160	11
	4C	33.0	18.000	3.110	2.610	0.0	0.0	2	3	4	0	0	23.720	9
	4E	33.0	19.000	1.010	.330	0.0	0.0	2	2	6	0	0	20.340	10
	4G	38.0	21.000	3.120	.530	0.0	0.0	2	4	4	0	0	24.650	10
	4I	36.0	13.000	8.200	2.120	0.10	0.0	2	3	5	1	0	21.330	11
	6I	36.0	19.000	8.020	2.510	0.10	0.0	2	3	3	1	0	29.540	9
	6G	37.0	21.000	5.120	3.020	0.10	0.0	2	4	4	1	0	29.150	11
	6E	35.0	14.500	4.110	4.120	0.10	0.0	2	3	5		0	23.740	12
	6C	35.0	18.000	2.020	3.020	0.10	0.0	2	3	4		0	23.050	10
	6A	34.0	24.000	5.020	3.620	0.0	0.0	2	3	6	1	0	32.640	
	8A	35.0	18.000	5.120	1.630	0.20	0.0	1	4	6	1	0	22.770	14
	8C	35.0	30.000	2.120	1.540	0.10	0.0	1	4	6		0	33.670	12
	8E	34.0	18.000	4.120	2.200	0.10	0.0	1	4	3	1	0	24.330	10
	8G	38.0	18.000	2.320	3.210	0.10	0.0	1	6	5		0	24.540	14
	8I	35.0	20.000	6.120	3.000	0.0	0.0	1	4	3	0	0	29.120	9
Mean		34.0	17.520	3.9108	2.1260	.0800	0	2.08	3.80	5.32	.80	0.0	23.665	11.00
JUNE														
	0A	50.0	1.000	7.800	10.510	1.000	0.0	1	7	19		0	30.310	29
	0C	44.0	12.000	6.710	7.820	.500	0.0	1	6	14		0	28.030	27
	0E	44.0	12.000	6.510	16.200	.500	0.0	1	5	18		0	35.200	24
	0G	42.0	6.000	10.000	8.200	.500	0.0	1	5	19		0	24.700	22
	0I	50.0	7.000	8.000	16.320	1.000	0.0	2	4	15		0	32.320	22
	2I	44.0	20.000	8.000	2.910	.500	0.0	1	4	15		0	39.410	22
	2G	48.0	12.000	9.600	5.620	.100	0.10	1	6	16		1	22.330	28
	2E	50.0	18.000	6.200	12.830	.500	0.10	1	7	17	1		27.540	26
	2C	47.0	14.000	8.800	13.410	.100	0.0	1	7	16		0	38.310	26
	2A	47.0	22.000	0.810	6.020	.100	0.0	1	6	18		0	40.930	27
	4A	46.0	29.000	21.210	7.210	0.0	0.0	1	8	18	0	0	57.420	22
	4C	44.0	20.000	7.700	10.630	0.10	0.10	1	6	15		1	38.250	25
	4E	42.0	27.000	5.100	6.210	0.10	0.10	1	7	13			38.330	24
	4G	44.0	29.000	8.700	9.730	0.10	0.10	1	8	14	1	1	43.450	24
	4I	46.0	20.000	13.620	14.430	.100	0.0	1	6	16	1	0	48.150	25
	6I	48.0	27.000	1.210	13.930	0.10	0.0	1	6	16		0	53.150	29
	6G	47.0	15.000	5.200	13.510	0.10	0.10	1	5	12		1	41.730	22
	6E	41.0	28.000	11.600	11.800	0.10	0.10	1	5	15		1	49.420	29
	6C	41.0	24.000	8.810	12.120	0.10	0.10	1	5	19	1	1	42.750	24
	6A	48.0	42.000	10.210	5.120	0.10	0.10	1	6	18	1	1	57.350	24
	8A	49.0	25.000	19.200	15.220	.100	0.0	1	6	16		0	59.520	25
	8C	42.0	27.000	11.110	10.160	0.10	0.0	1	6	18		0	56.270	27
	8E	43.0	20.010	10.610	9.120	0.10	0.0	1	6	15		0	29.750	28
	8G	51.0	29.000	18.130	17.740	.00	0.10	1	6	19	1	1	62.980	21
	8I	48.0	30.000	10.620	9.330	0.10	0.0	1	7	14		0	48.970	24
Mean		46.4	21.400	9.8504	11.264	.20840	.00400	1.00	5.96	15.68	.96	.40	42.747	25.12
JULY														
	0A	51.0	29.000	4.200	15.010	.210	0.0	1	9	18	1	0	57.420	30
	0C	51.0	21.000	12.200	21.420	.020	0.0	1	7	18	1	0	64.640	29
	0E	52.0	28.000	14.800	28.210	.500	0.0	1	5	16		0	75.310	24
	0G	52.0	19.000	9.100	30.610	.600	0.10	1	5	14	1		65.320	26
	0I	52.0	19.000	1.000	27.910	.000	0.0	1	4	7		0	65.910	25
	2I	52.0	27.000	0.510	32.610	.100	0.0	1	5	3		0	70.220	21
	2G	51.0	26.000	12.110	16.610	0.10	0.10	1	6	18		1	48.740	28
	2E	51.0	29.000	10.520	31.800	.100	.00	1	7	6			67.520	27
	2C	52.0	6.000	4.000	28.120	.100	0.0	1	7	7		0	58.220	27
	2A	54.0	21.000	19.200	17.010	.020	0.0	1	6	8	1	1	67.230	28
	4A	54.0	41.000	9.100	15.820	0.0	0.0	1	7	5	0	0	75.820	24
	4C	51.0	28.000	18.600	21.800	0.10	0.10	1	6	3			68.420	22
	4E	54.0	29.000	8.00	18.310	0.10	0.10	1	6	5			52.430	29
	4G	52.0	1.000	7.300	27.310	.100	0.10	1	7	4			45.720	29
	4I	52.0	14.000	24.100	27.800	.100	0.10	1	6	6		0	66.000	25
	6I	51.0	27.000	7.00	24.010	.100	0.10	1	5	9			68.220	24
	6G	52.0	27.000	17.600	28.700	.100	0.10	1	5	9			73.410	24
	6E	52.0	21.000	5.100	25.210	0.10	0.10	1	5	14			61.420	24
	6C	50.0	22.000	5.310	27.300	0.10	0.10	1	7	2			59.630	24
	6A	50.0	28.000	4.100	9.520	.100	.00	1	5	7			51.820	21
	8A	50.0	.000	20.200	29.710	.500	0.0	1	6	5		1	61.410	24
	8C	50.0	4.000	10.000	8.710	.100	0.0	1	4	4		1	44.810	22
	8E	50.0	24.000	1.100	8.310	.00	.00	1	6	7			57.610	27
	8G	50.0	22.000	6.200	26.700	.500	0.10	1	7	9			64.510	21
	8I	51.0	22.000	9.700	7.900	.100	0.0	1	6	9		0	49.700	24
Mean		51.6	22.127	6.468	24.064	.6000	.0160	1.08	6.04	9.28	.16	.12	61.728	[illegible]
AUG														
	0A	57.0	12.000	9.300	11.610	.600	0.0	1	8	6	1	0	29.510	21
	0C	55.0	30.000	6.600	21.000	.500	0.0	1	6	6		0	60.180	21
	0E	56.0	21.000	6.000	29.410	.500	0.0	1	5	5		0	56.910	22
	0G	55.0	7.600	8.600	22.600	.500	0.10	1	4	9			39.910	22
	0I	59.0	12.000	0.600	38.100	1.000	0.0	1	4	7		0	59.700	25
	2I	54.0	22.000	8.100	38.910	.500	0.0	1	4	5		0	78.510	21
	2G	54.0	24.000	8.700	32.700	.100	0.10	1	6	7			65.910	27
	2E	55.0	27.600	9.800	40.100	.500	0.10	4	6	8			74.010	32
	2C	54.0	27.000	7.600	43.900	.100	0.0	1	6	6		0	77.600	29
	2A	54.0	39.000	24.200	12.590	.200	0.0	1	5	8	1	0	76.300	27
	4A	58.0	49.000	21.800	12.800	.010	0.0	1	8	4		0	81.810	25
	4C	56.0	19.000	9.200	30.900	.220	0.10	1	8	6	1		59.130	27
	4E	56.0	30.000	6.200	16.210	.100	0.10	1	7	14			52.620	25
	4G	55.0	30.000	23.700	29.010	.00	0.10	1	7	2			82.820	14
	4I	57.0	25.000	20.100	40.710	.600	.100	1	4	9	1		86.510	14
	6I	60.0	38.000	30.100	37.800	.100	0.0	1	4	9		1	104.000	22
	6G	57.0	24.000	22.900	36.206	.100	0.10	2	9	6			82.810	22
	6E	61.0	44.000	8.900	22.710	.00	0.0	3	9	6		0	95.310	25
	6C	52.0	27.000	11.310	36.500	.100	0.10	1	7	15			68.920	14
	6A	59.0	48.000	14.000	9.020	0.10	0.10	1	9	8			81.040	27
	8A	57.0	24.000	21.600	48.110	1.400	.00	1	6	7	1		92.410	29
	8C	56.0	32.000	18.000	39.800	.100	0.10	1	6	16			89.910	28
	8E	55.0	25.000	14.500	25.910	.100	.100	1	6	7			65.610	27

SEADYN Project [illegible] Lake Stand [illegible]
Monthly Survey of Vascular Plant Community
5e Temperature and Synthetic Variables by Sub-Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sept	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oct	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE

Descriptive Statistics for Each Species Variable and the Stand

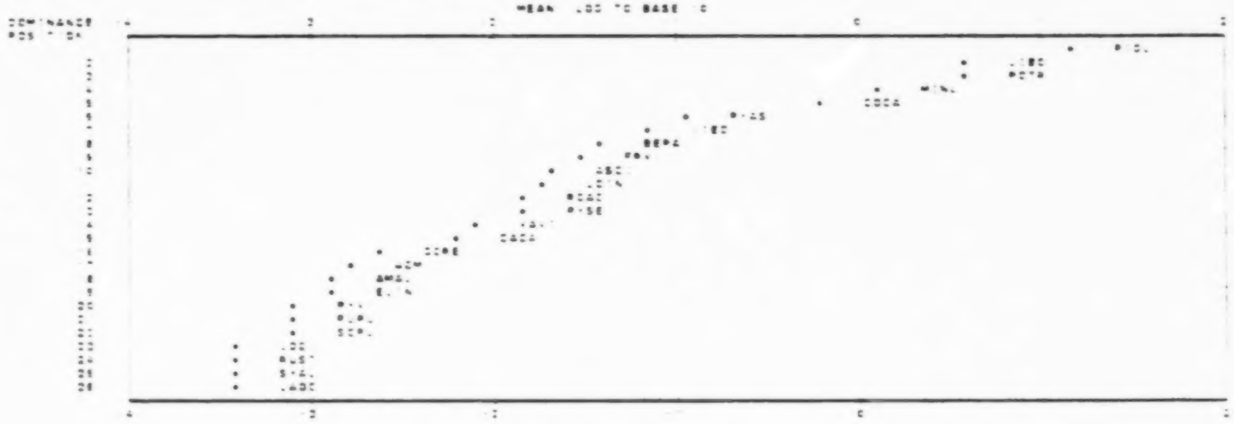
FILE S582V CREATION DATE = 04/17/83 Stand 5 73 y old Mixed wood 1982 Vascular Cover % Data 5x5 m

SUBFILE MACT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.50000
Picea glauca	PIGL	25	100.000	13.88000	4.77249	0.95450	0.06877	3.00000	25.00000
Populus balsamifera	POBA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Populus tremuloides	POTR	25	100.000	2.80000	0.91287	0.18257	0.06072	1.00000	5.00000
Amelanchier alnifolia	AMAL	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Lonicera dioica	LODI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lonicera involucrata	LOIN	25	68.000	0.01760	0.03140	0.00628	0.35677	0.0	0.10000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes triste	RITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	80.000	0.01520	0.02584	0.00517	0.33999	0.0	0.10000
Rubus strigosus	RUST	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Symphoricarpos albus	SYAL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vaccinium vitis-idaea	VAVI	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Viburnum edule	VIED	25	100.000	0.06760	0.04409	0.00882	0.13045	0.01000	0.10000
Achillea millefolium	ACMI	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	52.000	0.01860	0.03611	0.00722	0.38844	0.0	0.10000
Aster conspicuus	ASCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	100.000	0.62880	0.61885	0.12273	0.19677	0.01000	2.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria vesca	FRVE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	88.000	0.03040	0.04005	0.00801	0.26349	0.0	0.10000
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium triflorum	GATR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodyera repens	GORE	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Lathyrus ochroleucus	LAOC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Linnaea borealis	LIBO	25	100.000	3.80000	1.89287	0.37857	0.09962	1.00000	8.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mertensia paniculata	MEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	100.000	1.30800	0.67695	0.13539	0.10351	0.10000	3.00000
Osmorhiza chilensis	OSCH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola asarifolia	PYAS	25	88.000	0.11800	0.15032	0.03007	0.25480	0.0	0.50000
Pyrola secunda	PYSE	25	44.000	0.01820	0.02229	0.00446	0.42487	0.0	0.10000
Pyrola virens	PYVI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Rubus pubescens	RUPU	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Trientalis borealis	TRBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	60.000	0.05600	0.05050	0.01010	0.18667	0.0	0.10000
Elymus innovatus	ELIN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Schizachne purpurascens	SCPU	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Equisetum sylvaticum	EQSY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia americana	VIAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus ciliatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 26 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.400[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.2429 NATURAL LOGARITHMS

26 OF THE 50 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 22.5648

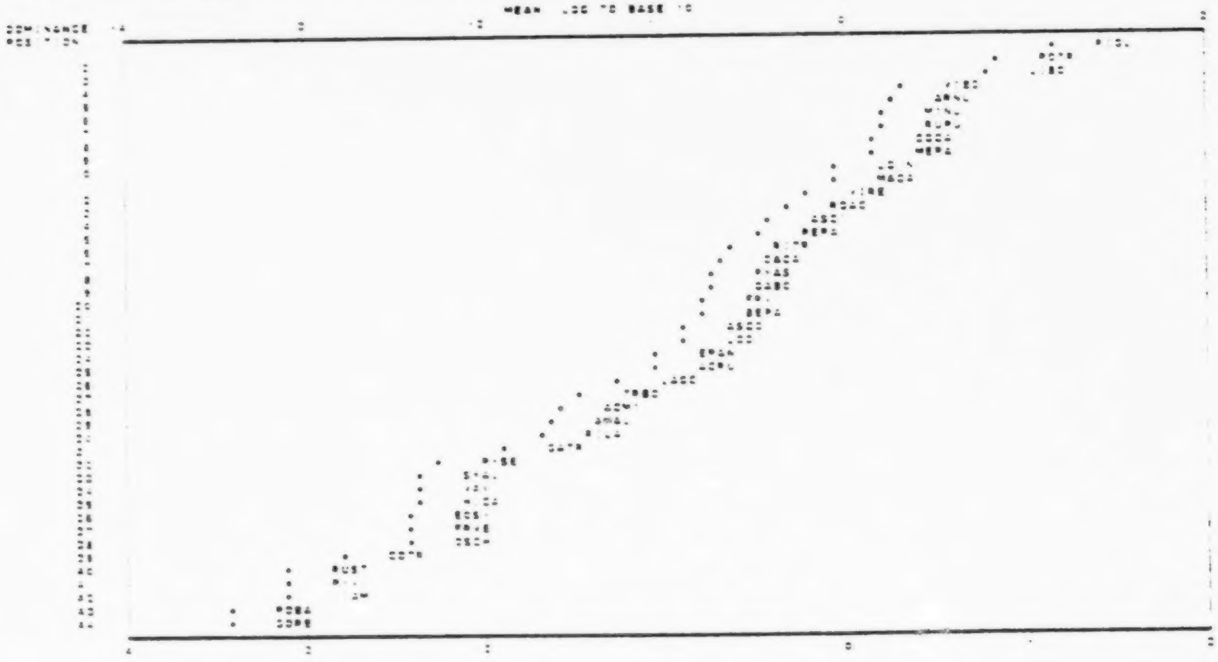


Menzie's Axe Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 6
Descriptive Statistics for Each Species Variable and the Stand
FILE 5582V CREATION DATE = 04/17/83 Stand 5 73, Old Mixed Wood 1982 Vascular Cover % Data (5x5 m)
SUBFILE UNO9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	8.000	0.16000	0.62450	0.12490	0.78063	0.0	3.00000
Picea glauca	PIGL	25	100.000	14.52000	6.99476	1.39895	0.09635	3.00000	30.00000
Populus balsamifera	POBA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Populus tremuloides	POTR	25	100.000	6.72000	3.92131	0.78426	0.11671	3.00000	15.00000
Amelanchier alnifolia	AMAL	25	12.000	0.03840	0.10108	0.02022	0.52653	0.0	0.50000
Lonicera dioica	LODI	25	80.000	0.12040	0.17533	0.03506	0.29122	0.0	0.50000
Lonicera involucrata	LOIN	25	80.000	0.66400	0.84404	0.16881	0.25424	0.0	3.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	32.000	0.02120	0.04034	0.00807	0.38061	0.0	0.10000
Ribes triste	RITR	25	48.000	0.23800	0.30100	0.06020	0.25294	0.0	1.00000
Rosa acicularis	ROAC	25	100.000	0.51280	0.61258	0.12252	0.23892	0.01000	3.00000
Rubus strigosus	RUST	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Symphoricarpos albus	SYAL	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Viburnum edule	VIED	25	100.000	2.12000	1.08282	0.21656	0.10215	0.50000	4.00000
Achillea millefolium	ACMI	25	60.000	0.02790	0.04178	0.00835	0.30262	0.0	0.10000
Aralia nudicaulis	ARNU	25	100.000	1.92000	0.98615	0.19723	0.10272	0.50000	4.00000
Aster ciliolatus	ASCI	25	92.000	0.37600	0.30985	0.06197	0.16481	0.0	1.00000
Aster conspicuus	ASCO	25	80.000	0.12800	0.24283	0.04854	0.37[illegible]	0.0	1.00000
Actaea rubra	ACRU	25	68.000	0.28560	0.13342	0.02668	0.21172	0.0	0.50000
Cornus canadensis	COCA	25	100.000	1.48800	1.10669	0.22134	0.15078	0.10000	4.00000
Corallorhiza trifida	COTR	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Epilobium angustifolium	EPAN	25	56.000	0.08560	0.16069	0.03214	0.35868	0.0	0.50000
Fragaria vesca	FAVE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Fragaria virginiana	FAVI	25	84.000	0.16560	0.19820	0.03926	0.23708	0.0	0.50000
Galium boreale	GABO	25	100.000	0.17560	0.16610	0.03322	0.18922	0.01000	0.50000
Galium triflorum	GATR	25	24.000	0.01320	0.03284	0.00658	0.49816	0.0	0.10000
Goodyera repens	GORE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lathyrus ochroleucus	LAOC	25	40.000	0.05240	0.10437	0.02087	0.39838	0.0	0.50000
Linnaea borealis	LIBO	25	100.000	5.94000	4.65227	0.77045	0.12971	0.50000	20.00000
Maianthemum canadense	MACA	25	100.000	0.55800	0.66838	0.13368	0.16616	0.10000	3.00000
Mertensia paniculata	MEPA	25	100.000	1.46000	0.76267	0.15253	0.10448	0.50000	3.00000
Mitella nuda	MINU	25	100.000	1.72000	1.14637	0.22927	0.13330	0.50000	4.00000
Osmorhiza chilensis	OSCH	25	4.000	0.02400	0.12000	0.02400	1.00000	0.0	0.60000
Petasites palmatus	PEPA	25	100.000	0.35640	0.36596	0.07320	0.20521	0.01000	1.00000
Pyrola asarifolia	PYAS	25	80.000	0.18120	0.20[illegible]	0.04143	0.22860	0.0	0.50000
Pyrola secunda	PYSE	25	20.000	0.02560	0.02002	0.00400	0.[illegible]	0.0	0.10000
Pyrola virens	PYVI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Rubus pubescens	RUPU	25	100.000	1.56000	1.22323	0.24465	0.15682	0.50000	5.00000
Trientalis borealis	TRBO	25	32.000	0.02200	0.04796	0.00959	0.43594	0.0	0.10000
Viola renifolia	VIRE	25	100.000	0.69600	0.31866	0.06373	0.09157	0.10000	1.00000
Calamagrostis canadensis	CACA	25	96.000	0.20640	0.30452	0.06090	0.29507	0.0	1.00000
Elymus innovatus	ELIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum sylvaticum	EQSY	25	40.000	0.00400	0.00500	0.00100	0.25000	0.0	0.01000
Hieracium canadense	HICA	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Vicia americana	VIAM	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Elymus glaucus	ELGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus ciliatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 44 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION = 0.0 [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY = [illegible] NATURAL LOGARITHMS

44 OF THE 50 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 40.7488

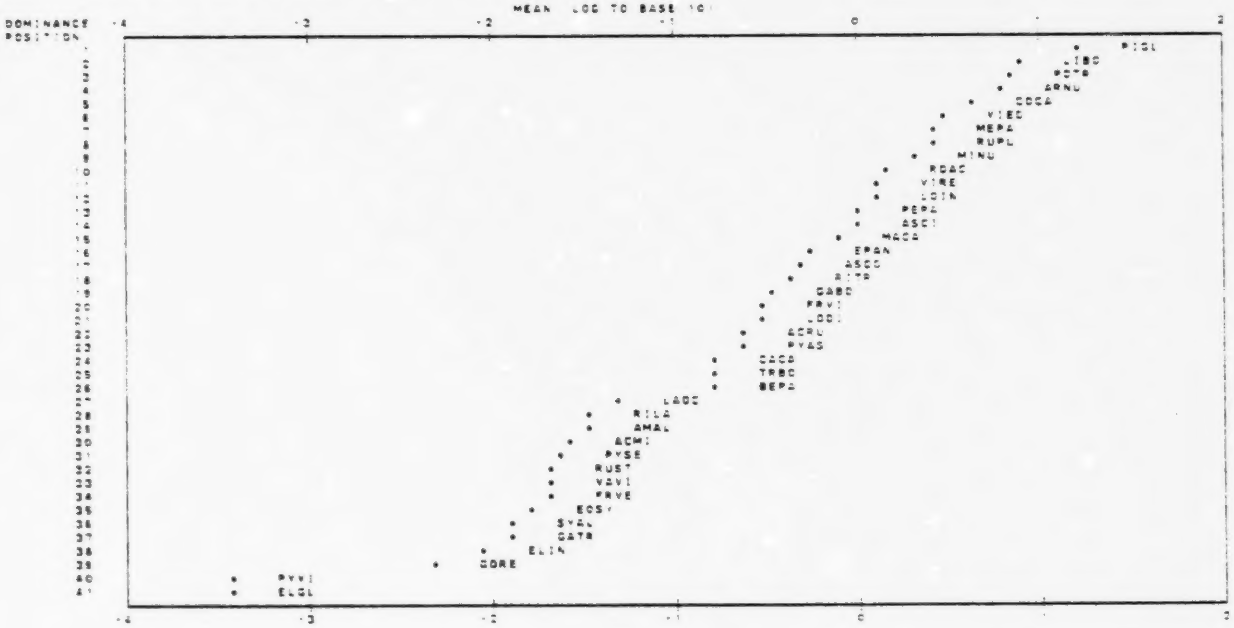


Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE SS82V (CREATION DATE = 04/17/83) Stand 5 (73 y old Mixed Wood) 1982 Vascular Cover % Data (5x5 m)
SUBFILE JL09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	8.000	0.16000	0.62450	0.12490	0.78062	0.0	3.00000
Picea glauca	PIGL	25	100.000	16.40000	7.00000	1.40000	0.08537	3.00000	35.00000
Populus balsamifera	POBA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Populus tremuloides	POTR	25	100.000	6.56000	3.27974	0.65595	0.09999	3.00000	17.00000
Amelanchier alnifolia	AMAL	25	16.000	0.03200	0.10296	0.02059	0.64346	0.0	0.50000
Lonicera dioica	LODI	25	72.000	0.28440	0.30876	0.06175	0.21713	0.0	1.00000
Lonicera involucrata	LOIN	25	72.000	1.20000	1.20761	0.24152	0.20127	0.0	4.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	44.000	0.03320	0.04688	0.00938	0.28241	0.0	0.10000
Ribes triste	RITR	25	80.000	0.42400	0.59040	0.11808	0.27849	0.0	2.00000
Rosa acicularis	ROAC	25	96.000	1.48000	1.06968	0.21393	0.14453	0.0	4.00000
Rubus strigosus	RUST	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Symphoricarpos albus	SYAL	25	16.000	0.01240	0.03308	0.00662	0.53348	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Viburnum edule	VIED	25	100.000	2.96000	2.10614	0.42123	0.14231	0.50000	8.00000
Achillea millefolium	ACMI	25	56.000	0.02720	0.04198	0.00840	0.30871	0.0	0.10000
Aralia nudicaulis	ARNU	25	100.000	5.88000	2.12760	0.42552	0.07237	2.00000	10.00000
Aster ciliolatus	ASCI	25	92.000	0.95200	0.69589	0.13918	0.14620	0.0	3.00000
Aster conspicuus	ASCO	25	64.000	0.46040	0.68468	0.13694	0.29743	0.0	3.00000
Actaea rubra	ACRU	25	64.000	0.24000	0.23805	0.04761	0.19837	0.0	0.50000
Cornus canadensis	COCA	25	100.000	4.42000	2.85657	0.57131	0.12926	0.50000	12.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	52.000	0.52400	0.68147	0.13629	0.26010	0.0	2.00000
Fragaria vesca	FRVE	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Fragaria virginiana	FRVI	25	88.000	0.31240	0.26143	0.05229	0.16737	0.0	1.00000
Galium boreale	GABO	25	96.000	0.32400	0.24880	0.04976	0.15358	0.0	1.00000
Galium triflorum	GATR	25	16.000	0.01240	0.03308	0.00662	0.53348	0.0	0.10000
Goodyera repens	GORE	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	52.000	0.05000	0.10368	0.02074	0.41473	0.0	0.50000
Linnaea borealis	LIBO	25	100.000	7.96000	4.96215	0.99244	0.12468	2.00000	20.00000
Maianthemum canadense	MACA	25	100.000	0.81600	0.60874	0.12175	0.14920	0.10000	2.00000
Mertensia paniculata	MEPA	25	100.000	2.68000	1.62481	0.32496	0.12127	0.50000	7.00000
Mitella nuda	MINU	25	100.000	2.00800	1.14051	0.22810	0.11360	0.10000	6.00000
Osmorhiza chilensis	OSCH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	100.000	0.98800	0.83831	0.16766	0.16970	0.10000	3.00000
Pyrola asarifolia	PYAS	25	84.000	0.23640	0.32229	0.06446	0.27267	0.0	1.00000
Pyrola secunda	PYSE	25	24.000	0.02400	0.04355	0.00871	0.36294	0.0	0.10000
Pyrola virens	PYVI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rubus pubescens	RUPU	25	100.000	2.62000	1.49499	0.29900	0.11412	0.50000	7.00000
Trientalis borealis	TRBO	25	28.000	0.16040	0.31338	0.06268	0.39074	0.0	1.00000
Viola renifolia	VIRE	25	100.000	1.26400	1.02708	0.20542	0.16251	0.10000	4.00000
Calamagrostis canadensis	CACA	25	96.000	0.17080	0.24078	0.04816	0.28194	0.0	1.00000
Elymus innovatus	ELIN	25	16.000	0.00680	0.02755	0.00552	0.82696	0.0	0.10000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum sylvaticum	EQSY	25	52.000	0.01600	0.03202	0.00640	0.40020	0.0	0.10000
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia americana	VIAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Bromus ciliolatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 41 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION, C = 0.1221
SHANNON-WEAVER INDEX OF DIVERSITY H' = 2.5428 (NATURAL LOGARITHMS)

41 OF THE 50 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 61.7264

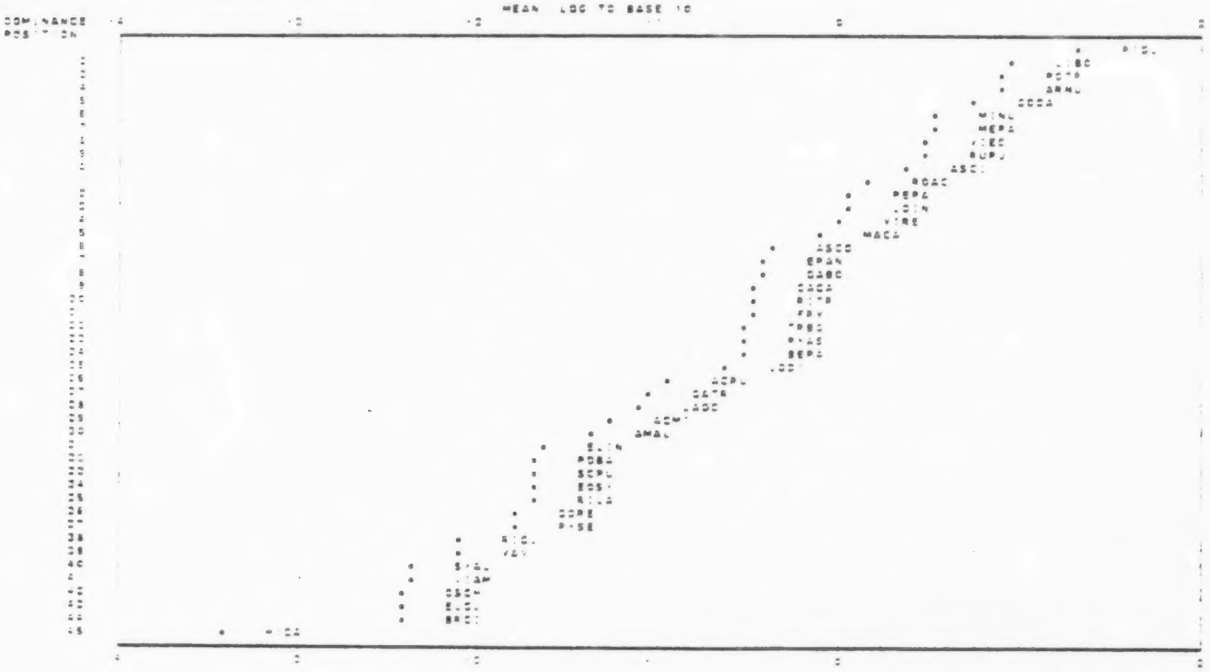


Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S582V CREATION DATE = 04/17/83 Stand 5 (72 y old Mixed Wood) 1982 Vascular Cover % Data (5x5 m)
SUBFILE AUG8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	12.000	0.28400	1.08053	0.21611	0.74686	0.0	5.00000
Picea glauca	PIGL	25	100.000	19.84000	8.61723	1.72345	0.08643	0.50000	40.00000
Populus balsamifera	POBA	25	4.000	0.02000	0.10000	0.02000	5.00000	0.0	0.50000
Populus tremuloides	POTR	25	100.000	8.28000	3.80283	0.76057	0.09185	2.00000	15.00000
Amelanchier alnifolia	AMAL	25	12.000	0.04400	0.13868	0.02774	0.63038	0.0	0.50000
Lonicera dioica	LODI	25	68.000	0.33200	0.31382	0.06276	0.23179	0.0	1.00000
Lonicera involucrata	LOIN	25	72.000	1.06400	1.13574	0.22715	0.21348	0.0	4.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Ribes lacustre	RILA	25	20.000	0.02000	0.04082	0.00816	0.40825	0.0	0.10000
Ribes triste	RITR	25	80.000	0.34400	0.47441	0.09488	0.27582	0.0	2.00000
Rosa acicularis	ROAC	25	100.000	1.48400	1.18084	0.23617	0.15913	0.10000	4.00000
Rubus strigosus	RUST	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symphoricarpos albus	SYAL	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Viburnum edule	VIED	25	100.000	2.88000	1.89581	0.37916	0.13722	0.50000	8.00000
Achillea millefolium	ACMI	25	68.000	0.05360	0.04940	0.00988	0.18434	0.0	0.10000
Aralia nudicaulis	ARNU	25	100.000	7.84000	5.02228	1.00446	0.12812	2.00000	25.00000
Aster ciliolatus	ASCI	25	100.000	2.28400	1.43788	0.28758	0.12592	0.10000	6.00000
Aster conspicuus	ASCO	25	64.000	0.43600	0.64671	0.12934	0.29665	0.0	3.00000
Actaea rubra	ACRU	25	56.000	0.11320	0.22912	0.04582	0.40481	0.0	1.00000
Cornus canadensis	COCA	25	100.000	5.20000	3.24037	0.64807	0.12463	1.00000	13.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	60.000	0.38400	0.59068	0.11814	0.30764	0.0	2.00000
Fragaria vesca	FRVE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	52.000	0.34400	0.31623	0.06325	0.18386	0.0	1.00000
Galium boreale	GABO	25	100.000	0.37200	0.33257	0.06651	0.17934	0.10000	1.00000
Galium triflorum	GATR	25	36.000	0.08400	0.16248	0.03250	0.38686	0.0	0.50000
Goodyera repens	GORE	25	20.000	0.01840	0.03729	0.00746	0.40547	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	52.000	0.07880	0.13582	0.02716	0.34470	0.0	0.50000
Linnaea borealis	LIBO	25	100.000	8.70000	6.03110	1.20622	0.13865	0.50000	25.00000
Maianthemum canadense	MACA	25	96.000	0.75600	0.64055	0.12811	0.16946	0.0	2.00000
Mertensia paniculata	MEPA	25	100.000	3.26000	1.75071	0.35014	0.10741	0.50000	8.00000
Mitella nuda	MINU	25	100.000	3.26000	1.88913	0.37782	0.11304	0.50000	8.00000
Osmorhiza chilensis	OSCH	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Petasites palmatus	PEPA	25	100.000	1.11200	0.83823	0.16765	0.15077	0.10000	3.00000
Pyrola asarifolia	PYAS	25	84.000	0.28800	0.32573	0.06515	0.22620	0.0	1.00000
Pyrola secunda	PYSE	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus pubescens	RUPU	25	100.000	2.96000	1.54056	0.30811	0.10409	1.00000	8.00000
Trientalis borealis	TRBO	25	32.000	0.28800	0.58224	0.11645	0.40434	0.0	2.00000
Viola renifolia	VIRE	25	100.000	0.96600	0.59844	0.11969	0.12364	0.10000	2.00000
Calamagrostis canadensis	CACA	25	100.000	0.34920	0.44823	0.08965	0.25673	0.01000	2.00000
Elymus innovatus	ELIN	25	8.000	0.03440	0.10108	0.02022	0.58782	0.0	0.50000
Schizachne purpurascens	SCPU	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Equisetum sylvaticum	EQSY	25	56.000	0.02000	0.03594	0.00719	0.35940	0.0	0.10000
Hieracium canadense	HICA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vicia americana	VIAM	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Bromus ciliatus	BRCI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000

BASED ON 45 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1246
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.8145 NATURAL LOGARITHMS

45 OF THE 50 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 73.9586

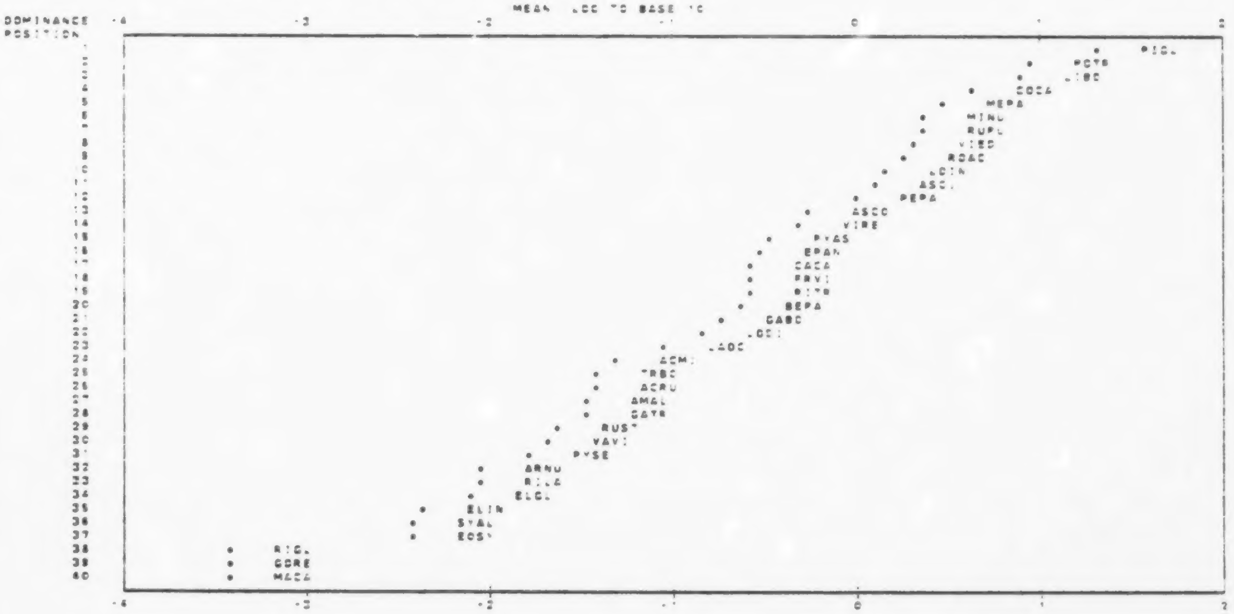


Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE 5582V CREATION DATE = 04/17/83 Stand 5 (73), old Mixed wood 1982 Vascular Cover % Data (5x5 m)
SUBFILE SE10

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	12.000	0.24400	0.82970	0.16594	0.68008	0.0	3.00000
Picea glauca	PIGL	25	100.000	15.76000	9.47048	1.89410	0.09586	3.00000	45.00000
Populus balsamifera	POBA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Populus tremuloides	POTR	25	100.000	8.52000	3.28282	0.65656	0.07730	3.00000	15.00000
Amelanchier alnifolia	AMAL	25	24.000	0.03280	0.10273	0.02055	0.62643	0.0	0.50000
Lonicera dioica	LODI	25	60.000	0.14000	0.18830	0.03766	0.27043	0.0	0.50000
Lonicera involucrata	LOIN	25	60.000	1.36000	1.35800	0.27160	0.19971	0.0	5.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ribes lacustre	RILA	25	16.000	0.00880	0.02759	0.00552	0.62696	0.0	0.10000
Ribes triste	RITR	25	64.000	0.25640	0.44237	0.08847	0.34506	0.0	2.00000
Rosa acicularis	ROAC	25	100.000	1.78400	1.39464	0.27893	0.15637	0.10000	4.00000
Rubus strigosus	RUST	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Symphoricarpos albus	SYAL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Viburnum edule	VIED	25	100.000	2.18400	1.93043	0.38609	0.17681	0.10000	8.00000
Achillea millefolium	ACMI	25	52.000	0.05000	0.10368	0.02074	0.41473	0.0	0.50000
Aralia nudicaulis	ARNU	25	20.000	0.00920	0.02753	0.00551	0.59835	0.0	0.10000
Aster ciliolatus	ASCI	25	100.000	1.29200	0.84898	0.16980	0.13142	0.10000	3.00000
Aster conspicuus	ASCO	25	52.000	0.57200	1.01786	0.20357	0.35578	0.0	4.00000
Actaea rubra	ACRU	25	20.000	0.03600	0.10360	0.02072	0.57557	0.0	0.50000
Cornus canadensis	COCA	25	100.000	4.10000	2.75379	0.55076	0.13433	0.50000	12.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	56.000	0.31320	0.51348	0.10270	0.32789	0.0	2.00000
Fragaria vesca	FRVE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	52.000	0.26440	0.21529	0.04306	0.16285	0.0	0.50000
Galium boreale	GABO	25	100.000	0.18400	0.21541	0.04308	0.23414	0.10000	1.00000
Galium triflorum	GATR	25	36.000	0.03240	0.04737	0.00947	0.29241	0.0	0.10000
Goodyera repens	GORE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lathyrus ochroleucus	LAOC	25	48.000	0.08880	0.16112	0.03222	0.36289	0.0	0.50000
Linnaea borealis	LIBO	25	100.000	7.56000	4.97561	0.99512	0.13163	1.00000	20.00000
Maianthemum canadense	MACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Mertensia paniculata	MEPA	25	100.000	2.84000	1.53921	0.30784	0.10840	0.50000	5.00000
Mitella nuda	MINU	25	100.000	2.44000	1.03401	0.20680	0.08475	0.50000	4.00000
Osmorhiza chilensis	OSCH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	100.000	0.97200	0.71810	0.14362	0.14776	0.10000	3.00000
Pyrola asarifolia	PYAS	25	88.000	0.32000	0.29155	0.05831	0.18222	0.0	1.00000
Pyrola secunda	PYSE	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus pubescens	RUPU	25	100.000	2.30800	1.75117	0.35023	0.15175	0.10000	6.00000
Trientalis borealis	TRBO	25	24.000	0.03640	0.10348	0.02070	0.56855	0.0	0.50000
Viola renifolia	VIRE	25	96.000	0.50400	0.41881	0.08376	0.16619	0.0	2.00000
Calamagrostis canadensis	CACA	25	96.000	0.28600	0.32861	0.06572	0.24707	0.0	1.00000
Elymus innovatus	ELIN	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum sylvaticum	EQSY	25	36.000	0.00360	0.00490	0.00098	0.27217	0.0	0.01000
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia americana	VIAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Bromus ciliolatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 40 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1663
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.2906 (NATURAL LOGARITHMS)

40 OF THE 50 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 58.5296

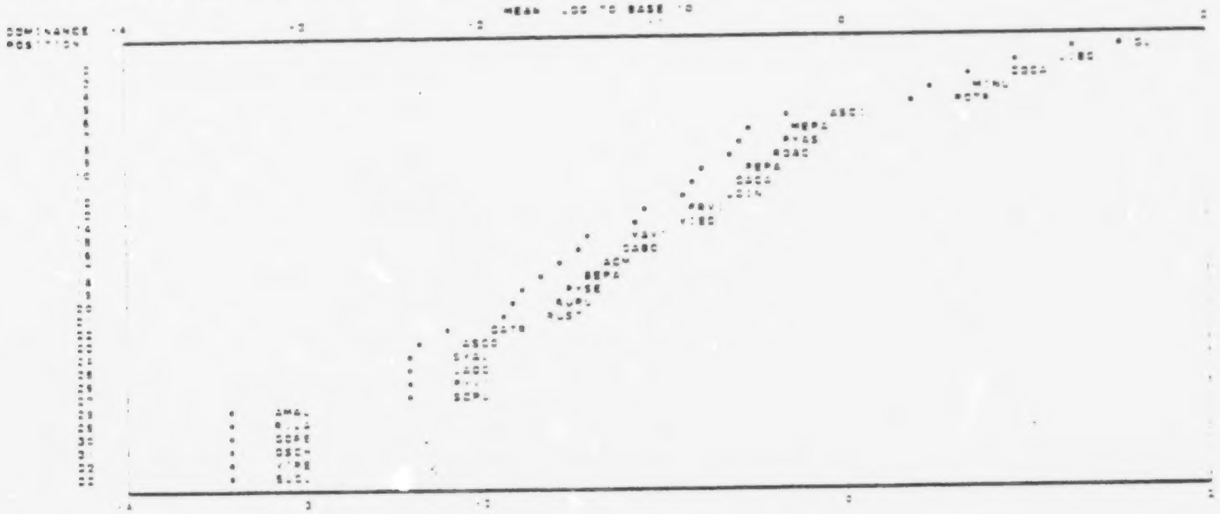


[illegible] Stand 5 1982 Vascular [illegible] Survey [illegible] PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE [illegible] CREATION DATE = [illegible] Stand 5 [illegible] Mixed Wood 1982 Vascular Cover % Data Set [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Betula papyrifera	BEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Picea glauca	PIGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Populus balsamifera	POBA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Populus tremuloides	POTR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amelanchier alnifolia	AMAL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lonicera dioica	LODI	25	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
Lonicera involucrata	LOIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ribes triste	RITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus strigosus	RUST	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Symphoricarpos albus	SYAL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Vaccinium vitis-idaea	VAVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Viburnum edule	VIED	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Achillea millefolium	ACMI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
Aster ciliolatus	ASCI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aster conspicuus	ASCO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	[illegible]	[illegible]
Cornus canadensis	COCA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria vesca	FRVE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria virginiana	FRVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium boreale	GABO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium triflorum	GATR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Goodyera repens	GORE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lathyrus ochroleucus	LAOC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Linnaea borealis	LIBO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
Mertensia paniculata	MEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mitella nuda	MINU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Osmorhiza chilensis	OSCH	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petasites palmatus	PEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola asarifolia	PYAS	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola secunda	PYSE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola virens	PYVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus pubescens	RUPU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trientalis borealis	TRBO	25	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
Viola renifolia	VIRE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Calamagrostis canadensis	CACA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Elymus innovatus	ELIN	25	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
Schizachne purpurascens	SCPU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum sylvaticum	EQSY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia americana	VIAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus glaucus	ELGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bromus ciliatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON [illegible] POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY [illegible] NATURAL LOGARITHMS

[illegible] OF THE [illegible] VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]



Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE SS82V CREATION DATE = 04/17/83 Stand 5 73, old Mixed Wood 1982 Vascular Cover % Data 5x5 m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	34.04000	1.45717	0.29143	0.00856	32.00000	37.00000
Tree Cover %	TREECV	25	100.000	17.52000	5.15889	1.03178	0.05889	5.00000	30.00000
Shrub Cover %	SHRBCV	25	100.000	2.91080	1.87865	0.37533	0.05597	0.10000	8.01000
Forb Cover %	FORBCV	25	100.000	2.12800	0.66856	0.13771	0.09300	0.13000	4.11000
Graminoid Cover %	GRAMCV	25	64.000	0.06800	0.10707	0.02141	0.31478	0.0	0.32000
Pteridophyte Cover %	PTERCV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tree Species Richness	TREERP	25	100.000	2.08000	0.27689	0.05538	0.02662	2.00000	3.00000
Shrub Species Richness	SHRBRP	25	100.000	3.80000	1.08012	0.21602	0.05685	2.00000	7.00000
Forb Species Richness	FORBRP	25	100.000	9.32000	1.40594	0.28119	0.03017	7.00000	12.00000
Graminoid Species Richness	GRAMRP	25	84.000	0.80000	0.70711	0.14142	0.17678	0.0	2.00000
Pteridophyte Species Richness	PTERRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Vascular Cover %	TOTLCV	25	100.000	23.56478	5.94044	1.18809	0.05042	16.45000	33.64998
Total Vascular Species Richness	TOTLRP	25	100.000	17.00000	2.12132	0.42426	0.02496	13.00000	21.00000

Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE SS82 CREATION DATE = 04/17/83 Stand 5 73, old Mixed Wood 1982 Vascular Cover % Data 5x5 m
SUBFILE JUNE

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	46.40000	2.85774	0.57155	0.01232	41.00000	51.00000
Tree Cover %	TREECV	25	100.000	21.40040	8.78913	1.75783	0.08214	6.00000	42.00000
Shrub Cover %	SHRBCV	25	100.000	9.85040	4.15545	0.83109	0.08437	5.00000	21.10999
Forb Cover %	FORBCV	25	100.000	11.28358	3.69557	0.73911	0.06551	5.12000	18.21998
Graminoid Cover %	GRAMCV	25	96.000	0.20840	0.30450	0.06090	0.29223	0.0	1.00000
Pteridophyte Cover %	PTERCV	25	40.000	0.00400	0.00500	0.00100	0.25000	0.0	0.01000
Tree Species Richness	TREERP	25	100.000	2.12000	0.33166	0.06633	0.03129	2.00000	3.00000
Shrub Species Richness	SHRBRP	25	100.000	5.88000	1.05987	0.21197	0.03557	4.00000	8.00000
Forb Species Richness	FORBRP	25	100.000	15.68000	1.57374	0.31475	0.02007	13.00000	19.00000
Graminoid Species Richness	GRAMRP	25	96.000	0.96000	0.20000	0.04000	0.04167	0.0	1.00000
Pteridophyte Species Richness	PTERRP	25	40.000	0.40000	0.50000	0.10000	0.25000	0.0	1.00000
Total Vascular Cover %	TOTLCV	25	100.000	42.74878	11.08214	2.21643	0.05185	23.32997	62.97995
Total Vascular Species Richness	TOTLRP	25	100.000	25.12000	2.14709	0.42942	0.01709	22.00000	31.00000

Hondo-Slave Lake Stand 5 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE SS82V CREATION DATE = 04/17/83 Stand 5 73, old Mixed Wood 1982 Vascular Cover % Data 5x5 m
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	51.58000	1.32539	0.26508	0.00514	50.00000	54.00000
Tree Cover %	TREECV	25	100.000	23.12000	7.02757	1.40750	0.06083	11.00000	41.00000
Shrub Cover %	SHRBCV	25	100.000	14.40500	4.27518	0.85503	0.05935	7.20000	24.09999
Forb Cover %	FORBCV	25	100.000	24.00438	7.22046	1.44409	0.06016	9.52000	37.50999
Graminoid Cover %	GRAMCV	25	96.000	0.18000	0.24626	0.04925	0.27362	0.0	1.00000
Pteridophyte Cover %	PTERCV	25	52.000	0.01600	0.03262	0.00640	0.40020	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	2.08000	0.27689	0.05538	0.02662	2.00000	3.00000
Shrub Species Richness	SHRBRP	25	100.000	6.04000	1.05987	0.21197	0.03510	4.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	15.36000	1.35031	0.27006	0.01758	13.00000	18.00000
Graminoid Species Richness	GRAMRP	25	96.000	1.16000	0.55377	0.11075	0.09548	0.0	3.00000
Pteridophyte Species Richness	PTERRP	25	52.000	0.52000	0.50990	0.10198	0.19612	0.0	1.00000
Total Vascular Cover %	TOTLCV	25	100.000	61.72527	8.72844	1.74569	0.02828	45.71994	79.91996
Total Vascular Species Richness	TOTLRP	25	100.000	25.16000	1.82951	0.36590	0.01454	21.00000	30.00000

Hondo [illegible] Lake Stand 5 1982 Vascular Monthly Survey [illegible] 04/17/83 PAGE [illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE [illegible] (CREATION DATE = 04/17/83) Stand 5 [illegible] Old Mixed Wood 1982 Vascular Cover % Data Set [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREEC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	TREERP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	SHRBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	FORBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	GRAMRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	PTERRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo [illegible] Lake Stand 5 1982 Vascular Monthly Survey [illegible] 04/17/83 PAGE [illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE [illegible] (CREATION DATE = 04/17/83) Stand 5 [illegible] Old Mixed Wood 1982 Vascular Cover % Data Set [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREEC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	TREERP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	SHRBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	FORBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	GRAMRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	PTERRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo [illegible] Lake Stand 5 1982 Vascular Monthly Survey [illegible] 04/17/83 PAGE [illegible]
Statistics for Soil Temperature and Synthetic Variables
FILE [illegible] (CREATION DATE = 04/17/83) Stand 5 [illegible] Old Mixed Wood 1982 Vascular Cover % Data Set [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREEC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERC[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	TREERP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	SHRBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	FORBRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	GRAMRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	PTERRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADIN Project, Mendenhall Slave Lake, Stand 6
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ABBA	BEPA	P.GL	POBA	POTR	AMAL	LEGR	LEDI	LOIN	ROPE	RIGL	RILA	RITR	ROAC	RUST	SHCA	SYAL	VAVI	VIED	ACMI	ACRL	ARNL	ASCI	ASCO
MAY84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUN84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUL84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEACYN Project [illegible] Stand [illegible]
Monthly Survey of Vascular Plant Communities
Species Cover % Values [illegible] Plots

[illegible]

SEADYN Project [illegible] Slave Lake [illegible]
Monthly Survey of Vascular Plant Communities
Species Cover % Values [illegible] Plots

SEASTAR Project [illegible] Stand [illegible]
Monthly Survey of Vascular Plant Community
Species Cover Values by Sub-Plots

[illegible]

SEADIN Project, Mendo... Lake, Stand ?
Monthly Survey of Vascular Plant Community,
Species Cover (%) Values by Salt ? Plots

Date	Plot	ACSP	BRE	CACA	E.A.	ELIN	SCPU	EQAR	ECS	JUAN	?RE	DEAN	...
MAY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

Date	Plot	AGSP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]													
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]													
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project [illegible] Stand [illegible]
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by Sample Plots

DATE	PLOT	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MAY8														
	04	33.0	40.500	1.250	2.120	.010	0.0	2	8	6		0	43.880	17
	05	32.0	27.000	2.020	.110	0.0	0.0	2	2	4	0	0	40.130	9
	08	33.0	44.000	1.220	.220	.020	0.0	3	5	6	1	0	46.460	16
	09	32.0	35.010	.620	.050	.020	0.0	2	4	7	1	0	36.700	15
	10	32.0	19.000	2.720	2.130	.020	0.0	2	6	7	2	0	24.870	17
	12	32.0	33.000	5.110	.220	.010	0.0	2	5	5		0	38.340	6
	22	32.0	24.000	2.310	2.230	0.0	0.0	2	5	7		0	29.550	6
	28	32.0	30.000	.720	.820	.020	0.0	2	5	5	2	0	32.360	9
	22	32.0	5.000	2.230	.820	.020	0.0	2	6	7	2	0	9.070	7
	24	33.0	40.000	.520	.620	.010	0.0	2	5	5		0	42.150	4
	44	32.0	22.600	2.400	2.120	.010	0.0	2	5	5		0	27.530	14
	42	33.0	47.000	2.120	.020	.020	0.0	2	4	4	2	0	50.180	12
	48	32.0	40.500	.030	.120	.010	0.0	3	4	6		0	42.670	6
	42	32.0	25.500	4.130	.530	0.0	0.0	2	5	5	0	0	41.160	12
	41	32.0	14.500	4.720	2.800	.020	0.0	4	8	9	2	0	22.040	17
	91	35.0	55.500	2.020	.240	.010	0.0	4	2	7		0	58.770	5
	62	34.0	45.000	5.140	.220	0.0	0.0	2	6	5	2	0	51.360	2
	68	32.0	65.500	2.220	.630	.020	0.0	2	5	5	2	0	69.370	9
	62	33.0	80.000	.040	.020	.010	0.0	2	5	4		0	82.070	2
	64	32.0	22.000	2.130	2.010	.010	0.0	2	6	3		0	28.250	2
	84	36.0	46.000	.110	.630	.010	0.0	2	4	6		0	42.850	2
	82	33.0	52.000	.120	.100	0.0	0.0	4	4	2	2	0	55.220	
	88	35.0	9.000	2.20	.710	0.0	0.0	2	4	4	2	0	52.830	
	82	34.0	68.000	.030	.230	0.0	0.0	2	4	5	0	0	67.260	2
	8	34.0	35.500	2.120	.520	.010	0.0	4	4	4		0	35.150	2
Mean		33	36.306	1.2840	.5236	.0180	0	2.88	4.84	5.20	.28	0.0	42.128	4.30
JUN8														
	04	50.0	26.200	9.700	20.900	1.000	0.0		8	9		0	52.600	29
	01	47.0	25.000	7.600	9.520	.010	0.0		4	4			42.140	21
	08	48.0	19.000	6.000	12.720	.600	0.0	2	9	8	2	0	38.320	19
	09	54.0	25.000	7.500	9.100	.100	0.0		9	2		0	41.700	5
	10	44.0	2.000	12.800	15.420	.600	0.0	2	5	5		2	40.520	22
	12	42.0	4.000	12.110	12.700	.100	0.0	2	7	7		2	29.910	21
	22	47.0	8.000	5.007	15.200	.300	0.0	2	6	4		2	39.300	22
	28	48.0	10.000	6.300	13.200	.580	0.0	3	6	9		0	30.000	25
	22	45.0	5.000	6.600	.230	.500	.010	2	5	2			22.440	22
	24	48.0	20.000	10.110	9.100	.100	.010	2	4	9			29.220	24
	44	45.0	9.000	0.100	.910	.500	0.0	3	4	5		2	2.510	27
	42	51.0	29.000	6.810	8.710	.100	0.0	2	6	5		2	44.420	25
	49	42.0	.100	4.100	8.220	.100	0.0	2	9	19		2	22.420	22
	42	51.0	28.000	9.120	12.750	.020	0.0	3	7	2	2	2	41.890	24
	4	48.0	.000	4.710	7.020	.100	0.0	3	7	4		2	32.830	25
	6	50.0	52.000	6.130	4.750	.010	0.0	4	7	12		0	65.890	26
	62	44.0	39.000	.27	2.860	.100	0.1	2	7	4			48.190	25
	68	42.0	49.000	10.210	2.070	.010	0.0	2	7	18		0	58.290	29
	62	52.0	62.000	2.600	2.460	.010	0.0	3	4	2		0	69.070	20
	64	52.0	39.000	2.400	6.120	.100	0.0	2	6	4		0	69.820	26
	84	49.0	30.000	11.810	4.730	.10	0.0	2	6	14	2	0	46.450	24
	82	48.0	40.000	6.10	.540	.010	0.0	3	5	11		2	47.880	20
	88	42.0	49.100	7.120	.740	.010	0.0	2	6	9		0	52.970	19
	82	46.0	50.000	4.030	.790	.010	.010	2	6	2			54.840	22
	8	57.0	44.200	7.620	9.330	.100	.010	4	7	13			61.080	29
Mean		48.2	27.644	6.7644	9.6556	.26800	.00240	2.52	5.66	3.88	.2	.24	45.234	22.64
JUL8														
	04	58.0	40.500	22.600	46.600	.000	.100	2	9	20			[illegible]	32
	05	55.0	44.200	11.510	27.230	.010	.500	2	5	16			83.650	26
	08	54.0	25.000	9.200	35.210	.600	0.0	2	8	9	2	2	80.010	22
	09	51.0	40.700	4.610	19.630	.100	0.0	2	7	4		0	74.440	24
	10	58.0	3.500	21.200	26.210	.002	0.0	2	8	6	2	2	61.510	29
	12	57.0	37.000	27.600	28.800	.500	0.0	8	7	6		2	104.910	27
	22	60.0	34.000	29.000	39.600	1.000	.010	3	7	6			103.8	28
	28	52.0	32.000	22.000	32.700	.500	.100	2	6	7			85.300	28
	22	57.0	8.500	20.0	32.800	.300	.010	2	6	6	2		61.720	29
	24	52.0	29.000	24.100	22.400	.100	0.0	9	7	5		0	75.600	26
	44	56.0	14.000	22.600	32.900	.500	0.0	2	5	17		0	70.900	26
	42	58.0	47.000	2.20	17.210	.200	0.0	2	7	2	2	0	77.120	25
	48	55.0	34.000	2.030	8.430	.100	0.0	3	7	7		2	65.560	28
	42	58.0	20.000	2.200	11.710	.100	0.0	2	5	2		2	44.010	28
	4	54.0	2.900	4.800	5.000	.500	.0	2	9	5		2	38.510	30
	6	56.0	4.000	6.100	11.820	.300	0.0	4	5	2		2	61.020	22
	62	58.0	18.000	3.500	7.410	.500	0.0	2	5	2		2	29.410	21
	58	54.0	22.200	4.400	4.920	.500	0.0	2	8	4		2	49.420	25
	62	56.0	25.000	8.10	10.400	.100	.010	2	4	2			53.810	5
	64	55.0	12.000	1.800	17.800	.500	.010	2	9	2			52.110	26
	84	58.0	10.500	5.210	.000	.501	0.0	2	7	2		2	27.210	22
	82	52.0	24.000	6.810	6.210	.010	.010	2	6	2			32.640	22
	98	57.0	26.000	5.510	2.710	.100	0.0	2	5	8		2	34.220	7
	82	52.0	45.000	2.200	2.500	.010	0.0	2	7	5		2	51.810	27
	8	52.0	25.000	8.700	21.210	.100	.010	4	6	4			55.120	28
Mean		55	27.824	5.948	20.580	.39700	.03480	2.28	6.50	4.40	.20	.44	64.745	25.52
AUG8														
	04	58.0	20.000	6.200	45.000	.610	0.0		9	20	2	2	97.810	22
	05	60.0	27.000	6.710	25.110	.010	.100	3	6	6			64.930	27
	08	57.0	30.200	9.700	26.710	.500	0.0	3	7	5		0	66.910	30
	09	62.0	30.500	9.800	24.100	.500	0.0	2	7	6		0	74.900	26
	10	61.0	9.200	20.600	29.210	.600	.010	2	5	18	2		79.420	28
	12	56.0	21.000	26.200	36.400	.500	0.0	2	6	7		2	84.100	27
	22	57.0	28.000	6.100	29.600	1.200	.010	2	6	7			71.510	28
	28	58.0	6.000	20.600	42.520	.600	.010	2	2	6	2		61.710	21
	22	58.0	2.500	13.100	32.600	.500	.100	2	5	18			59.800	26
	24	60.0	50.000	12.110	22.000	.100	.010	3	6	6			84.220	27
	44	60.0	2.100	18.300	42.530	.500	0.0	8	7	19		0	72.430	30
	42	62.0	27.000	7.100	29.700	.100	0.0	2	5	14		0	69.900	24
	48	60.0	25.000	8.600	9.510	.500	0.0	2	5	16		0	53.610	24
	42	61.0	27.000	21.100	22.400	.600	0.0	2	6	12	2	2	72.100	22
	41	55.0	6.000	26.200	26.100	.620	.10	2	10	7	4	2	69.020	26
	61	65.0	47.000	8.000	21.800	.110	0.0	4	6	12	2	2	88.910	24
	65	62.0	40.500	27.100	27.610	.000	0.0	2	7	6		2	96.410	27
	68	59.0	30.100	14.700	22.510	.800	.100	3	7	18			68.910	30
	62	60.0	48.000	6.600	12.900	.010	0.0	2	5	1		0	69.510	22
	64	58.0	26.000	21.600	47.700	.000	0.0	2	6	4		0	106.200	26
	84	58.0	25.000	20.610	26.810	1.500	0.0	2	7	4	2	0	73.920	25
	82	52.0	40.000	6.100	14.210	.100	.100	2	6				70.510	21
	88	58.0	25.000	20.010	7.710	.010	0.0	2	7	10		0	62.730	20

SEACYN Project Mono Slave Lake Stand 6
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by Sub-Plots

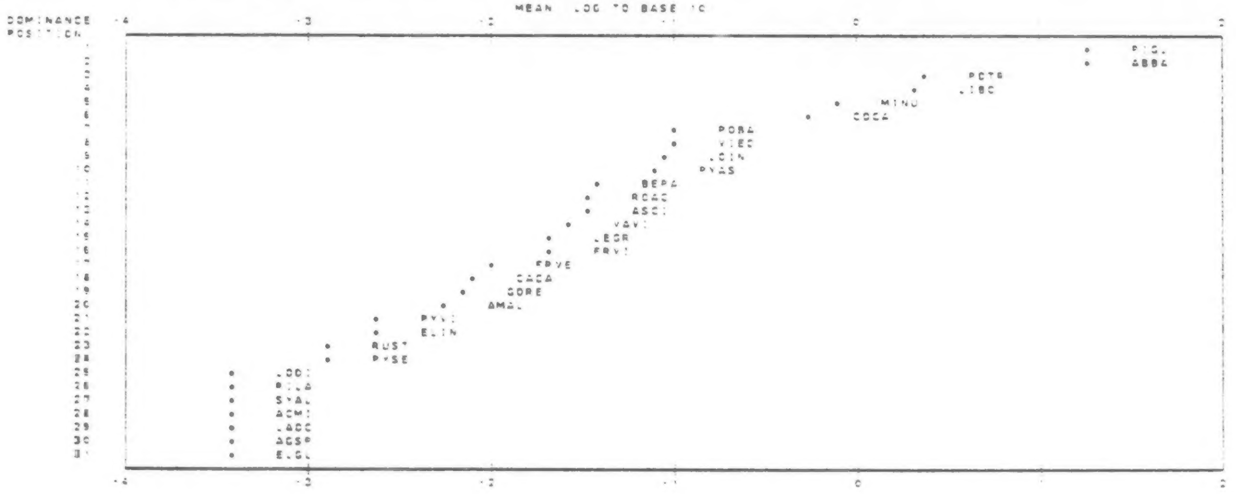
Date	Plot	Temp	TREECV	SHRBCV	FORBCV	GRAMCV	OTERCV	TREEBP	SHRBBP	FORBBP	GRAMBP	OTERBP	TOTLCV	TOTLBP
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S682V CREATION DATE = 04/17/83) Stand 6 (128 y old Mixed Wood) 1982 Vascular Cover % Data (5x5m
SUBFILE MAOB

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	84.000	17.64000	17.65616	3.53123	0.20018	0.0	60.00000
Betula papyrifera	BEPA	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.50000
Picea glauca	PIGL	25	100.000	19.16000	12.05432	2.41086	0.12583	1.00000	40.00000
Populus balsamifera	POBA	25	8.000	0.10000	0.40825	0.08165	0.81650	0.0	2.00000
Populus tremuloides	POTR	25	88.000	2.36040	1.92259	0.38452	0.16290	0.0	5.00000
Amelanchier alnifolia	AMAL	25	52.000	0.00520	0.00510	0.00102	0.19612	0.0	0.01000
Ledum groenlandicum	LEGR	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Lonicera dioica	LODI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Lonicera involucrata	LOIN	25	100.000	0.08880	0.13135	0.02627	0.29583	0.01000	0.50000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes lacustre	RILA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ribes triste	RITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	92.000	0.03440	0.04184	0.00837	0.24326	0.0	0.10000
Rubus strigosus	RUST	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Shepherdia canadensis	SHCA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symphoricarpos albus	SYAL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vaccinium vitis-idaea	VAVI	25	12.000	0.02800	0.10214	0.02043	0.72960	0.0	0.50000
Viburnum edule	VIED	25	100.000	0.09600	0.12920	0.02584	0.26916	0.01000	0.50000
Achillea millefolium	ACMI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Actaea rubra	ACRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aralia nudicaulis	ARNU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	88.000	0.03400	0.04213	0.00843	0.24783	0.0	0.10000
Aster conspicuus	ASCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aquilegia flavescens	AQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cornus canadensis	COCA	25	100.000	0.55600	0.29309	0.05862	0.10543	0.10000	1.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Disporum trachycarpum	DITR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fragaria vesca	FRVE	25	24.000	0.00960	0.02746	0.00549	0.57206	0.0	0.10000
Fragaria virginiana	FRVI	25	56.000	0.02000	0.03594	0.00719	0.35940	0.0	0.10000
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium triflorum	GATR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodyera repens	GORE	25	32.000	0.00680	0.01994	0.00399	0.58651	0.0	0.10000
Hieracium canadense	HICA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lathyrus ochroleucus	LAOC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Linnaea borealis	LIBO	25	100.000	2.02000	1.25395	0.25080	0.12416	0.50000	5.00000
Maianthemum canadense	MACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mertensia paniculata	MEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	100.000	0.81200	0.54185	0.10837	0.13346	0.10000	2.00000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola asarifolia	PYAS	25	76.000	0.07920	0.13447	0.02689	0.33956	0.0	0.50000
Pyrola secunda	PYSE	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Pyrola virens	PYVI	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Rubus pubescens	RUPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trientalis borealis	TRBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicia americana	VIAM	25	0.0	0	0.0	0.0	0.0	0.0	0.0
Agropyron sp	AGSP	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Bromus ciliatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	76.000	0.00760	0.00436	0.00087	0.11471	0.0	0.01000
Elymus glaucus	ELGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Elymus innovatus	ELIN	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum sylvaticum	EQSY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium annotinum	LYAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gentianella amarella	GEAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LOVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 31 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.2704
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.2493 (NATURAL LOGARITHMS)

31 OF THE 60 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 43.1280



04/17/83 PAGE 3

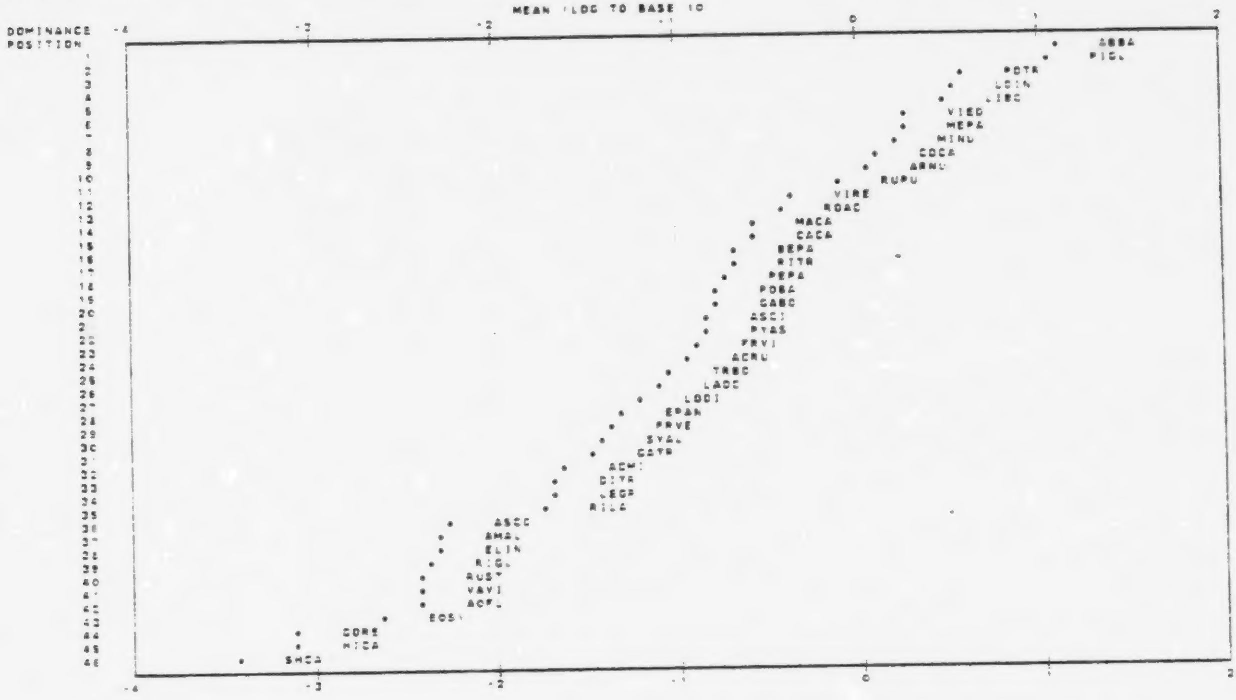
Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand
FILE S6?2X CREATION DATE = 04/17/83 Stand 8 (28 y old Mixed wood 1982 Vascular Cover % Data (5x5m
SUBFILE UNC8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	80.000	12.28000	12.59140	2.51828	0.20507	0.0	40.00000
Betula papyrifera	BEPA	25	8.000	0.20000	0.70711	0.14142	0.70711	0.0	3.00000
Picea glauca	PIGL	25	96.000	11.24000	8.78104	1.75621	0.15625	0.0	30.00000
Populus balsamifera	POBA	25	4.000	0.16000	0.80000	0.16000	1.00000	0.0	4.00000
Populus tremuloides	POTR	25	64.000	3.76400	5.43069	1.08614	0.28856	0.0	20.00000
Amelanchier alnifolia	AMAL	25	12.000	0.00480	0.02002	0.00400	0.83417	0.0	0.10000
Ledum groenlandicum	LEGR	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Lonicera dioica	LODI	25	44.000	0.06160	0.13777	0.02755	0.44731	0.0	0.50000
Lonicera involucrata	LOIN	25	100.000	2.24000	1.64012	0.32802	0.14644	1.00000	6.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Ribes lacustre	RILA	25	44.000	0.01880	0.03644	0.00729	0.38783	0.0	0.10000
Ribes triste	RITR	25	76.000	0.18800	0.32980	0.06596	0.35085	0.0	1.00000
Rosa acicularis	ROAC	25	84.000	0.38440	0.42652	0.08530	0.22191	0.0	2.00000
Rubus strigosus	RUST	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Shepherdia canadensis	SHCA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Symphoricarpos albus	SYAL	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Viburnum edule	VIED	25	100.000	1.84000	1.25599	0.25120	0.13652	0.50000	5.00000
Achillea millefolium	ACMI	25	56.000	0.03520	0.03925	0.00785	0.22264	0.0	0.10000
Actaea rubra	ACRU	25	56.000	0.15620	0.17837	0.03567	0.22836	0.0	0.50000
Aralia nudicaulis	ARNU	25	84.000	1.13640	1.27074	0.25415	0.22364	0.0	4.00000
Aster ciliolatus	ASCI	25	96.000	0.15080	0.15282	0.03056	0.20264	0.0	0.50000
Aster conspicuus	ASCO	25	20.000	0.00560	0.02002	0.00400	0.71488	0.0	0.10000
Aquilegia flavescens	AQFL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cornus canadensis	COCA	25	100.000	1.33840	1.66967	0.33393	0.24950	0.01000	7.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Disporum trachycarpum	DITR	25	8.000	0.02040	0.09994	0.01999	0.97977	0.0	0.50000
Epilobium angustifolium	EPAN	25	32.000	0.04800	0.10456	0.02091	0.43568	0.0	0.50000
Fragaria vesca	FRVE	25	28.000	0.04400	0.10440	0.02088	0.47456	0.0	0.50000
Fragaria virginiana	FRVI	25	64.000	0.13000	0.24125	0.04825	0.37115	0.0	1.00000
Galium boreale	GABO	25	100.000	0.15480	0.12047	0.02409	0.15563	0.01000	0.50000
Galium triflorum	GATR	25	56.000	0.03440	0.04610	0.00922	0.26805	0.0	0.10000
Goodyera repens	GORE	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Hieracium canadense	HICA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Lathyrus ochroleucus	LAOC	25	64.000	0.08160	0.21736	0.04347	0.53276	0.0	1.00000
Linnaea borealis	LIBO	25	96.000	2.94400	1.78627	0.35725	0.12135	0.0	7.00000
Maianthemum canadense	MACA	25	56.000	0.26440	0.39458	0.07892	0.30148	0.0	1.00000
Mertensia paniculata	MEPA	25	92.000	1.80500	1.53834	0.30768	0.17046	0.0	7.00000
Mitella nuda	MINU	25	100.000	1.56000	1.26425	0.25285	0.16208	0.50000	5.00000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	88.000	0.18600	0.24963	0.04993	0.26843	0.0	1.00000
Pyrola asarifolia	PYAS	25	60.000	0.14840	0.22542	0.04508	0.30380	0.0	0.50000
Pyrola secunda	PYSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus pubescens	RUPU	25	100.000	0.79600	0.61066	0.12213	0.15343	0.10000	3.00000
Trientalis borealis	TRBO	25	48.000	0.08520	0.16187	0.03237	0.37993	0.0	0.50000
Vicia americana	VIAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agropyron sp	AGSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus ciliatus	BRCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	100.000	0.26320	0.43870	0.08774	0.33336	0.01000	2.00000
Elymus glaucus	ELGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	12.000	0.00480	0.02002	0.00400	0.83417	0.0	0.10000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum sylvaticum	EQSY	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Lycopodium annotinum	LYAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viola renifolia	VIRE	25	100.000	0.42680	0.50028	0.10006	0.23443	0.01000	2.00000
Gentianella amarella	GEAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LOVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 46 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.1578
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.2013 NATURAL LOGARITHMS

46 OF THE 60 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 45.3344

Honde-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 3
Descriptive Statistics for Each Species variable and the Stand
FILE S682V CREATION DATE = 04/17/83 Stand 6 (128 y old Mixed Wood) 1982 Vascular Cover % Data (5x5m
SUBFILE JN09



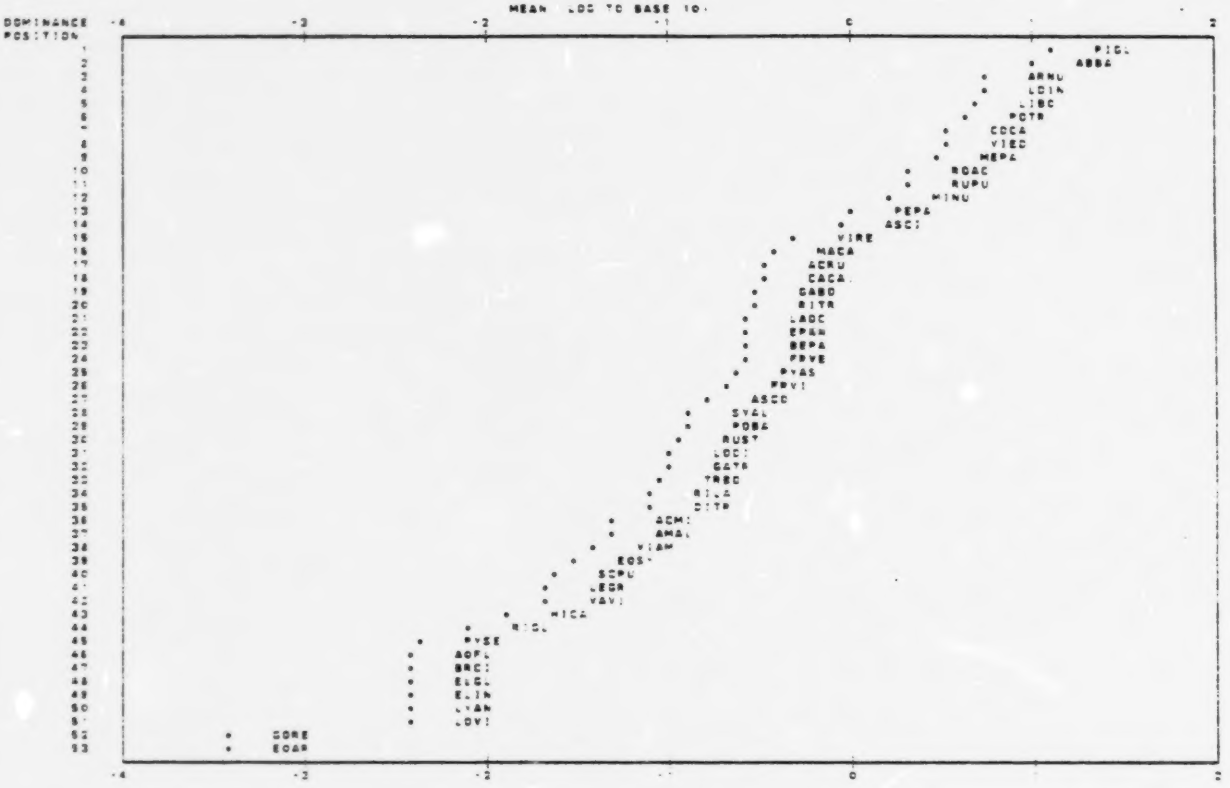
Hanbe-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S682V CREATION DATE = 04/17/83 Stand 6 (28 y old Mixed Wood) 1982 Vascular Cover % Data (5x5m)
SUBFILE JL08

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	48.000	10.16000	9.17723	1.83547	0.18066	0.0	35.00000
Betula papyrifera	BEPA	25	12.000	0.26000	0.83066	0.16613	0.63897	0.0	3.00000
Picea glauca	PIGL	25	56.000	12.75000	16.11183	3.22237	0.18823	0.0	40.00000
Populus balsamifera	POBA	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Populus tremuloides	POTR	25	28.000	4.52400	6.48305	[illegible]	0.18819	0.0	15.00000
Amelanchier alnifolia	AMAL	25	20.000	0.04840	0.13887	0.02777	0.57304	0.0	0.50000
Ledum groenlandicum	LEGR	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Lonicera dioica	LODI	25	16.000	0.10600	0.23090	0.04618	0.43567	0.0	1.00000
Lonicera involucrata	LOIN	25	16.000	5.16000	3.30000	0.66000	0.12791	0.0	12.00000
Prunus pensylvanica	PRPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ribes glandulosum	RIGL	25	8.000	0.00800	0.02789	0.00558	0.69722	0.0	0.10000
Ribes lacustre	RILA	25	60.000	0.08120	0.13470	0.02694	0.33178	0.0	0.50000
Ribes triste	RITR	25	72.000	0.28840	0.33793	0.06759	0.23435	0.0	1.00000
Rosa acicularis	ROAC	25	100.000	2.18000	1.45584	0.29138	0.13366	0.50000	5.00000
Rubus strigosus	RUST	25	28.000	0.11200	0.24718	0.04944	0.44140	0.0	1.00000
Shepherdia canadensis	SHCA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Symphoricarpos albus	SYAL	25	12.000	0.12040	0.43959	0.08792	0.73021	0.0	2.00000
Vaccinium vitis-idaea	VAVI	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Viburnum edule	VIED	25	36.000	3.24000	3.10614	0.62124	0.19174	0.0	10.00000
Achillea millefolium	ACMI	25	60.000	0.05080	0.10332	0.02066	0.40679	0.0	0.50000
Actaea rubra	ACRU	25	56.000	0.34800	0.39488	0.07898	0.22694	0.0	1.00000
Aralia nudicaulis	ARNU	25	68.000	5.30400	4.36344	0.87269	0.16453	0.0	12.00000
Aster ciliolatus	ASCI	25	76.000	0.86400	0.93758	0.18752	0.21703	0.0	3.00000
Aster conspicuus	ASCO	25	24.000	0.16400	0.34385	0.06877	0.41932	0.0	1.00000
Aquilegia flavescens	AQFL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cornus canadensis	COCA	25	100.000	3.64400	3.01221	0.60244	0.16533	0.10000	15.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Disporum trachycarpum	DITR	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Epilobium angustifolium	EPAN	25	36.000	0.26800	0.62830	0.12566	0.46887	0.0	3.00000
Fragaria vesca	FRVE	25	44.000	0.24820	0.62809	0.12562	0.50604	0.0	3.00000
Fragaria virginiana	FRVI	25	68.000	0.18840	0.26027	0.05205	0.27604	0.0	1.00000
Galium boreale	GABO	25	100.000	0.30000	0.28127	0.05627	0.18758	0.10000	1.00000
Galium triflorum	GATR	25	76.000	0.10600	0.15540	0.03108	0.29322	0.0	0.50000
Goodyera repens	GORE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Hieracium canadense	HICA	25	16.000	0.01240	0.03308	0.00662	0.53344	0.0	0.10000
Lathyrus ochroleucus	LAOC	25	52.000	0.28000	0.40000	0.08000	0.28571	0.0	1.00000
Linnaea borealis	LIBO	25	100.000	4.58000	2.18091	0.43620	0.09566	1.00000	10.00000
Maianthemum canadense	MACA	25	52.000	0.37240	0.59732	0.11946	0.32080	0.0	2.00000
Mertensia paniculata	MEPA	25	52.000	3.10000	2.31391	0.46278	0.14928	0.0	10.00000
Mitella nuda	MINU	25	56.000	1.54000	1.07925	0.21587	0.14018	0.0	4.00000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites palmatus	PEPA	25	92.000	0.86400	0.76522	0.15304	0.17653	0.0	3.00000
Pyrola asarifolia	PYAS	25	52.000	0.22040	0.34378	0.06875	0.31192	0.0	1.00000
Pyrola secunda	PYSE	25	8.000	0.00440	0.02002	0.00400	0.90989	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus pubescens	RUPU	25	88.000	1.98000	1.60028	0.32006	0.16329	0.0	6.00000
Trientalis borealis	TRBO	25	36.000	0.08800	0.21164	0.04233	0.48237	0.0	1.00000
Vicia americana	VIAM	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.60000
Agropyron sp	AGSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromus ciliatus	BRCI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Calamagrostis canadensis	CACA	25	100.000	0.33120	0.28019	0.05604	0.16919	0.0	1.00000
Elymus glaucus	ELGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Elymus innovatus	ELIN	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Schizachne purpurascens	SCPU	25	8.000	0.02400	0.11 6	0.02222	0.94300	0.0	0.50000
Equisetum arvense	EQAR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Equisetum sylvaticum	EQSY	25	36.000	0.03046	0.10155	0.02031	0.66809	0.0	0.50000
Lycopodium annotinum	LYAN	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Viola renifolia	VIRE	25	100.000	0.50000	0.27386	0.05477	0.10954	0.10000	1.00000
Gentianella amarella	GEAM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	JOVI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000

BASED ON 52 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.0878
SHANNON-WEAVER INDEX OF DIVERSITY H = 2.7005 NATURAL LOGARITHMS

52 OF THE 60 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 64.7448

Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S682V (CREATION DATE = 04/17/83) Stand 6 (128 y old Mixed Wood) 1982 Vascular Cover % Data (5x5m)
SUBFILE JL08



04/17/83 PAGE 17

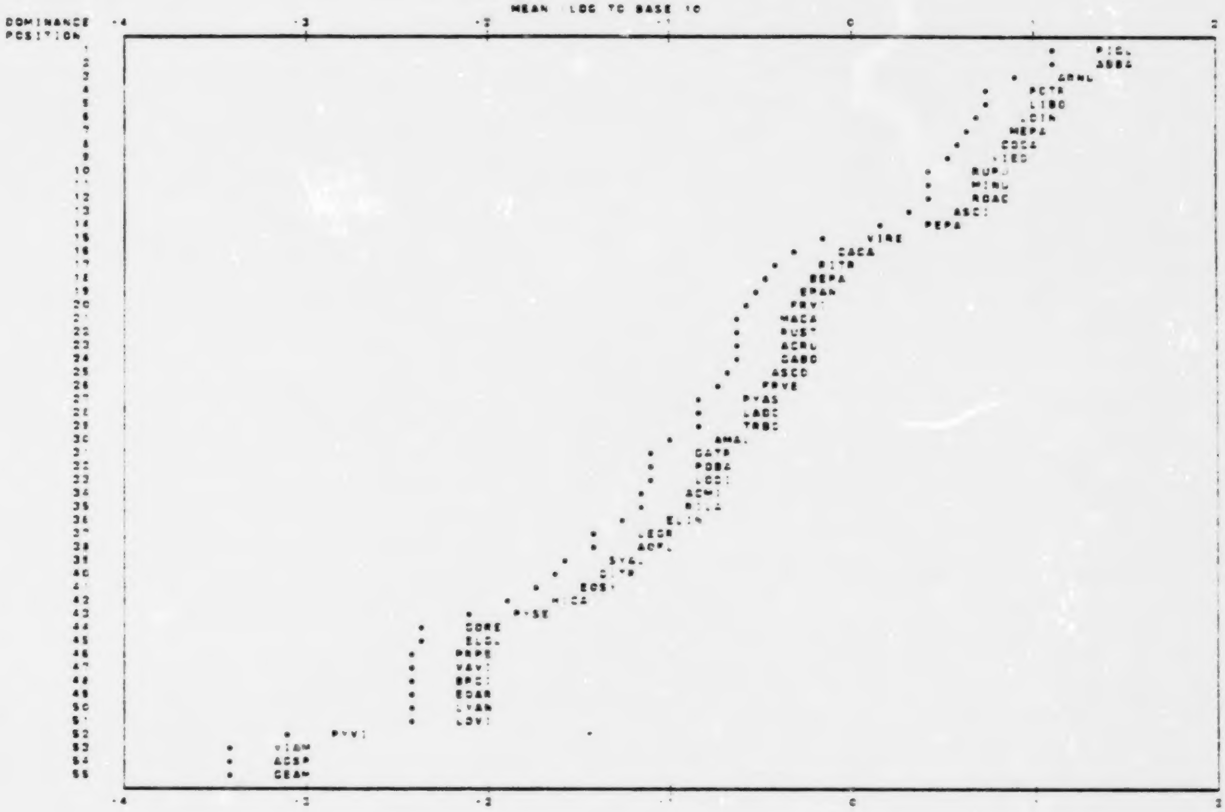
Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand
FILE S882V CREATION DATE = 04/17/83 Stand 6 '22 / old Mixed Wood' 1982 Vascular Cover % Data 5x5m
SUBFILE AUG6

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	80.000	12.32000	11.02876	2.20735	0.17917	-0.0	40.00000
Betula papyrifera	BEPA	25	8.000	0.32000	1.14455	0.22891	0.71535	-0.0	5.00000
Picea glauca	PIGL	25	56.000	13.16000	9.46982	1.89796	0.14422	-0.0	30.00000
Populus balsamifera	POBA	25	4.000	0.08000	0.40000	0.08000	1.00000	-0.0	2.00000
Populus tremuloides	POTR	25	60.000	5.42800	5.82446	1.16490	0.21461	-0.0	20.00000
Amelanchier alnifolia	AMAL	25	32.000	0.10000	0.23274	0.04655	0.46547	-0.0	1.00000
Ledum groenlandicum	LEGR	25	4.000	0.04000	0.20000	0.04000	1.00000	-0.0	1.00000
Lonicera dioica	LODI	25	40.000	0.07600	0.19849	0.03970	0.52235	-0.0	1.00000
Lonicera involucrata	LOIN	25	100.000	5.12000	3.19270	0.63854	0.12471	0.50000	12.00000
Prunus pensylvanica	PRPE	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Ribes glandulosum	RIGL	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Ribes lacustre	RILA	25	48.000	0.06560	0.13736	0.02747	0.41878	-0.0	0.50000
Ribes triste	RITR	25	72.000	0.40000	0.46953	0.09391	0.23478	-0.0	2.00000
Rosa acicularis	ROAC	25	100.000	2.30400	1.39955	0.27991	0.12149	0.10000	5.00000
Rubus strigosus	RUST	25	24.000	0.24400	0.80420	0.16084	0.65918	-0.0	4.00000
Shepherdia canadensis	SHCA	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Symphoricarpos albus	SYAL	25	12.000	0.02800	0.10214	0.02043	0.72960	-0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Viburnum edule	VIED	25	100.000	1.18400	1.11457	0.22291	0.13282	0.10000	4.00000
Achillea millefolium	ACMI	25	60.000	0.06880	0.10244	0.02049	0.28780	-0.0	0.50000
Actaea rubra	ACRU	25	56.000	0.24000	0.31358	0.06272	0.26132	-0.0	1.00000
Aralia nudicaulis	ARNU	25	12.000	1.88000	6.82863	1.36573	0.72624	-0.0	30.00000
Aster ciliolatus	ASCI	25	100.000	2.04800	1.37178	0.27436	0.13396	0.10000	5.00000
Aster conspicuus	ASCO	25	28.000	0.21200	0.62605	0.12521	0.59061	-0.0	2.00000
Aquilegia flavescens	AQFL	25	4.000	0.04000	0.20000	0.04000	1.00000	-0.0	1.00000
Cornus canadensis	COCA	25	100.000	3.88000	2.46001	0.49200	0.12362	0.50000	10.00000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Disporum trachycarpum	DITR	25	8.000	0.02400	0.10116	0.02023	0.84300	-0.0	0.50000
Epilobium angustifolium	EPAN	25	48.000	0.28400	0.55955	0.11191	[illegible]	-0.0	2.00000
Fragaria vesca	FRVE	25	40.000	0.17600	0.30725	0.06145	0.34914	-0.0	1.00000
Fragaria virginiana	FRVI	25	72.000	0.28480	0.31006	0.06201	0.22418	-0.0	1.00000
Galium boreale	GABO	25	100.000	0.22840	0.22357	0.04471	0.20890	0.01000	1.00000
Galium triflorum	GATR	25	64.000	0.08040	0.19969	0.03994	0.24733	-0.0	0.50000
Goodyera repens	GORE	25	4.000	0.00440	0.02000	0.00400	0.90985	-0.0	0.10000
Hieracium canadense	HICA	25	24.000	0.01320	0.03268	0.00654	0.49518	-0.0	0.10000
Lathyrus ochroleucus	LAOC	25	60.000	0.16400	0.23643	0.04729	0.22838	-0.0	1.00000
Linnaea borealis	LIBO	25	100.000	5.40000	3.41555	0.68313	0.12651	[illegible]	15.00000
Maianthemum canadense	MACA	25	84.000	0.24440	0.31670	0.06334	0.25425	-0.0	1.00000
Mertensia paniculata	MEPA	25	100.000	4.30000	2.31840	0.46368	0.10782	0.50000	10.00000
Mitella nuda	MINU	25	100.000	1.64000	1.77083	0.35417	0.21595	0.50000	7.00000
Moneses uniflora	MOUN	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Petasites palmatus	PEPA	25	100.000	1.52000	0.97340	0.19468	0.12808	0.50000	4.00000
Pyrola asarifolia	PYAS	25	52.000	0.13240	0.28654	0.05773	0.43289	-0.0	1.00000
Pyrola secunda	PYSE	25	8.000	0.00800	0.02769	0.00554	0.69222	-0.0	0.10000
Pyrola virens	PYVI	25	8.000	0.00080	0.00277	0.00055	0.69222	-0.0	0.01000
Rubus pubescens	RUPU	25	100.000	2.64000	1.96257	0.39251	0.14866	0.50000	8.00000
Trientalis borealis	TRBO	25	40.000	0.14000	0.25495	0.05099	0.36422	-0.0	1.00000
Vicia americana	VIAM	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
Agropyron sp	AGSP	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
Bromus ciliatus	BRCI	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Calamagrostis canadensis	CACA	25	100.000	0.47800	0.48000	0.09600	0.19247	0.01000	2.00000
Elymus glaucus	ELGL	25	8.000	0.00440	0.02002	0.00400	0.90985	-0.0	0.10000
Elymus innovatus	ELIN	25	24.000	0.05240	0.13888	0.02773	0.52925	-0.0	0.50000
Schizachne purpurascens	SCPU	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Equisetum arvense	EQAR	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Equisetum sylvaticum	EQSY	25	36.000	0.01800	0.03674	0.00735	0.40825	-0.0	0.10000
Lycopodium annotinum	LYAN	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Viola renifolia	VIRE	25	56.000	0.15800	0.14464	0.02893	0.18307	-0.0	2.00000
Gentianella amarella	GEAM	25	4.000	0.00040	0.00200	0.00040	1.00000	-0.0	0.01000
	[illegible]OVI	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000

BASED ON 55 POSITIVE MEANS SIMPSON S INDEX OF DOMINANCE CONCENTRATION C = 0.09[illegible]5 NATURAL LOGARITHMS
SHANNON-WEAVER INDEX OF DIVERSITY H' = [illegible]

55 OF THE 60 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible].372

Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S682V CREATION DATE = 04/17/83 Stand 6 (128 y old Mixed Wood) 1982 Vascular Cover % Data (5x5m)
SUBFILE AU02



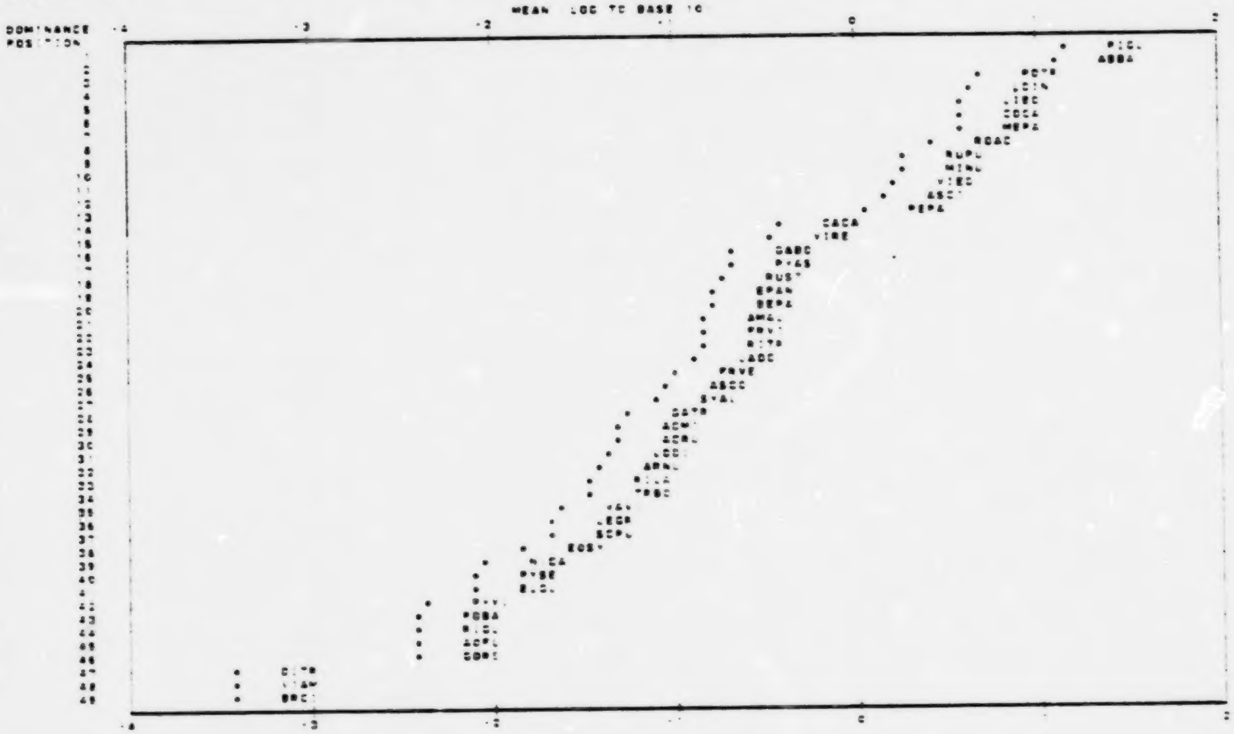
Hondo-Slave Lake Stand [illegible] [illegible] Vascular Monthly Survey [illegible] PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE [illegible] CREATION DATE = [illegible] Stand [illegible] [illegible] Mixed Wood [illegible] Vascular Cover % Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Abies balsamea	ABBA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Betula papyrifera	BEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Picea glauca	PIGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Populus balsamifera	POBA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Populus tremuloides	POTR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amelanchier alnifolia	AMAL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ledum groenlandicum	LEGR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lonicera dioica	LODI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lonicera involucrata	LOIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Prunus pensylvanica	PRPE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ribes glandulosum	RIGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ribes lacustre	RILA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ribes triste	RITR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rosa acicularis	ROAC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus strigosus	RUST	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shepherdia canadensis	SHCA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Symphoricarpos albus	SYAL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Vaccinium vitis-idaea	VAVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Viburnum edule	VIED	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Achillea millefolium	ACMI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Actaea rubra	ACRU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aralia nudicaulis	ARNU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aster ciliolatus	ASCI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aster conspicuus	ASCO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aquilegia flavescens	AQFL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cornus canadensis	COCA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Corallorhiza trifida	COTR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Disporum trachycarpum	DITR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Epilobium angustifolium	EPAN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fragaria vesca	FRVE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fragaria virginiana	FRVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium boreale	GABO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium triflorum	GATR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Goodyera repens	GORE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hieracium canadense	HICA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lathyrus ochroleucus	LAOC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Linnaea borealis	LIBO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maianthemum canadense	MACA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mertensia paniculata	MEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mitella nuda	MINU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Moneses uniflora	MOUN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petasites palmatus	PEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola asarifolia	PYAS	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola secunda	PYSE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pyrola virens	PYVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus pubescens	RUPU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trientalis borealis	TRBO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Viola adunca	VIAD	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Agropyron sp.	AGSP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bromus ciliatus	BRCI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Calamagrostis canadensis	CACA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Elymus glaucus	ELGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Elymus innovatus	ELIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Schizachne purpurascens	SCPU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum arvense	EQAR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum sylvaticum	EQSY	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lycopodium annotinum	LYAN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Viola renifolia	VIRE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

BASED ON [illegible] POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY [illegible] NATURAL LOGARITHMS

[illegible] OF THE [illegible] VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]

Hondo Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Descriptive Statistics for Each Species Variable and the Stand
FILE S882V CREATION DATE = 04/17/83 Stand 6 128 y old Mixed Wood 1982 Vascular Cover % Data 5x5m
SUBFILE SE10

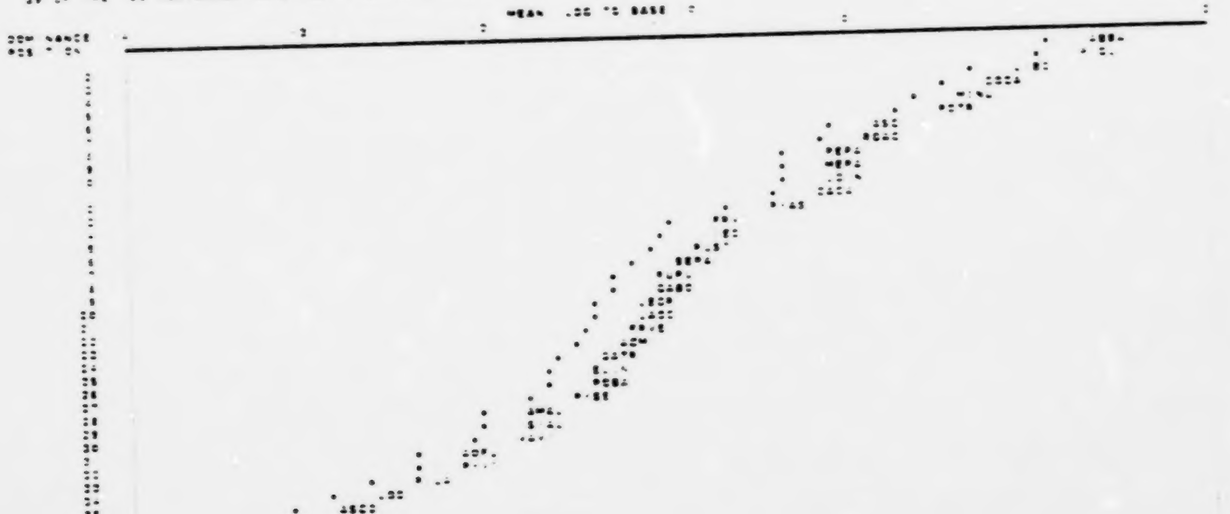


Hondo-Slave Lake Stand 1 1982 Vascular Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand [illegible]
File [illegible] Creation Date = [illegible] Stand 1 [illegible]
Subfile [illegible]

Label	Variable	N	Freq %	Mean	Std Dev	Std Err	Std Err Mean	Minimum	Maximum
Abies balsamea	ABBA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Betula papyrifera	BEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

BASED ON [illegible] POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY [illegible] NATURAL LOGARITHMS

[illegible] OF THE [illegible] VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]



Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 8
Statistics for Soil Temperature and Synthetic Variables
FILE S682V (CREATION DATE = 04/17/83) Stand 6 (28), Old Mixed Wood 1982 Vascular Cover % Data Subm
SUBFILE MAY8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	100.000	33.12000	1.05357	0.21071	0.00636	[illegible]	36.00000
Tree Cover %	TREECV	25	100.000	39.30040	17.05150	3.41030	0.08678	5.00000	66.00000
Shrub Cover %	SHRBCV	25	100.000	2.28480	1.37073	0.27414	0.11948	0.82000	5.14000
Forb Cover	FORBCV	25	100.000	1.52200	0.72673	0.14534	0.09550	0.23000	3.22000
Graminoid Cover %	GRAMCV	25	71.000	0.01080	0.00759	0.00152	0.14083	0.0	0.02000
Pteridophyte Cover %	PTERCV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tree Species Richness	TREERP	25	100.000	3.88000	0.66583	0.13317	0.04624	3.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	4.44000	1.10604	0.22121	0.04970	3.00000	8.00000
Forb Species Richness	FORBRP	25	100.000	5.20000	1.22474	0.24495	0.04711	3.00000	7.00000
Graminoid Species Richness	GRAMRP	25	71.000	1.08000	0.75939	0.15188	0.14063	0.0	2.00000
Pteridophyte Species Richness	PTERRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Vascular Cover %	TOTLCV	25	100.000	43.12788	16.11643	3.22369	0.07475	9.07000	62.06898
Total Vascular Species Richness	TOTLRP	25	100.000	14.00000	2.06155	0.41231	0.02945	9.00000	17.00000

Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 19
Statistics for Soil Temperature and Synthetic Variables
FILE S682V (CREATION DATE = 04/17/83) Stand 6 (28), Old Mixed Wood 1982 Vascular Cover % Data Subm
SUBFILE JUN8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	100.000	48.20000	3.68685	0.73737	0.01534	40.00000	57.00000
Tree Cover %	TREECV	25	100.000	27.54400	16.27785	3.25557	0.11777	5.00000	63.00000
Shrub Cover %	SHRBCV	25	100.000	8.76440	3.16685	0.63137	0.07204	3.50000	15.00000
Forb Cover	FORBCV	25	100.000	8.55560	5.35552	1.07111	0.12378	0.79000	20.89994
Graminoid Cover %	GRAMCV	25	100.000	0.28800	0.44100	0.08820	0.3[illegible]	0.01000	2.00000
Pteridophyte Cover %	PTERCV	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Tree Species Richness	TREERP	25	100.000	3.52000	0.82260	0.16452	0.04529	1.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	5.88000	1.23550	0.24710	0.04202	4.00000	8.00000
Forb Species Richness	FORBRP	25	100.000	13.88000	2.10792	0.42158	0.03037	9.00000	15.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.12000	0.33166	0.06633	0.05922	1.00000	2.00000
Pteridophyte Species Richness	PTERRP	25	24.000	0.24000	0.43589	0.08718	0.36324	0.0	1.00000
Total Vascular Cover %	TOTLCV	25	100.000	45.33427	12.88685	2.51927	0.05557	23.41998	68.06998
Total Vascular Species Richness	TOTLRP	25	100.000	23.64000	2.51462	0.50292	0.02127	19.00000	28.00000

Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 20
Statistics for Soil Temperature and Synthetic Variables
FILE S682V (CREATION DATE = 04/17/83) Stand 6 (28), Old Mixed Wood 1982 Vascular Cover % Data Subm
SUBFILE JUL8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	25	100.000	55.12000	2.43790	0.48758	0.00885	50.00000	60.00000
Tree Cover %	TREECV	25	100.000	27.62400	12.09147	2.41829	0.08891	8.50000	47.00000
Shrub Cover %	SHRBCV	25	100.000	15.94840	7.73851	1.54770	0.09704	3.30000	27.59991
Forb Cover %	FORBCV	25	100.000	22.58038	12.18504	2.43701	0.11841	2.71000	46.59991
Graminoid Cover %	GRAMCV	25	100.000	0.35720	0.31494	0.06299	0.17634	0.01000	1.00000
Pteridophyte Cover %	PTERCV	25	40.000	0.03480	0.10258	0.02051	0.58946	0.0	0.50000
Tree Species Richness	TREERP	25	100.000	2.88000	0.52599	0.10520	0.03653	2.00000	4.00000
Shrub Species Richness	SHRBRP	25	100.000	6.60000	1.32288	0.26458	0.04009	4.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	14.40000	2.88675	0.57735	0.04009	8.00000	20.00000
Graminoid Species Richness	GRAMRP	25	100.000	1.20000	0.50000	0.10000	0.08333	1.00000	3.00000
Pteridophyte Species Richness	PTERRP	25	40.000	0.44000	0.58310	0.11662	0.26504	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	66.74677	21.90303	4.38061	0.06566	37.20998	110.89998
Total Vascular Species Richness	TOTLRP	25	100.000	25.52000	3.92718	0.78544	0.03078	17.00000	33.00000

[illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREECV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	TOTLCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	TOTLRH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREECV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	TOTLCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	TOTLRH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil Temperature at 5-10 cm (degrees F)	TEMP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Cover %	TREECV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Cover %	SHRBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Cover %	FORBCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Cover %	GRAMCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Cover %	PTERCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tree Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Shrub Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Forb Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Graminoid Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pteridophyte Species Richness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Cover %	TOTLCV	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total Vascular Species Richness	TOTLRH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project, Hondo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	LALA	PIGL	PIMA	ANPC	BEPL	LEGR	LOVI	OXMI	SAAR	SABE	SACA	SAGL	SAMY	SAPE	VAMY	VAVI	ASJU	CARO	COTR	DRRO	GALK	GELI	HADE	LIBO
MAY														010	0	0	0	0	0	0	0	0	0	0	0
	0A	500	0	12.0	100	010	0	0	0	0	0	0	0	010	010	0	0	0	010	0	0	0	0	0	0
	0C	100	0	10.0	500	010	100	0	010	0	0	0	0	010	010	0	0	0	010	0	010	0	0	0	0
	0E	0	0	25.0	100	010	3.00	0	010	0	0	010	0	010	010	0	0	0	0	0	010	0	0	0	0
	0G	0	0	25.0	500	100	1.00	0	010	0	0	0	0	010	100	0	0	0	0	0	010	0	0	0	0
	0I	0	0	20.0	500	010	5.00	0	100	010	0	0	0	010	010	0	0	0	010	0	0	0	0	0	0
	2I	0	0	15.0	100	010	3.00	0	100	0	0	010	0	0	100	0	0	0	0	0	010	0	0	0	0
	2G	010	0	30.0	1.00	010	5.00	0	100	0	0	0	0	0	010	0	0	0	010	0	010	0	0	0	0
	2E	2.00	0	15.0	300	100	1.00	0	100	0	010	0	0	0	100	0	0	0	0	0	010	0	0	0	0
	2C	010	0	20.0	100	010	10.0	0	100	0	0	0	0	010	0	0	100	0	010	0	0	0	0	0	0
	2A	010	0	25.0	0	010	5.00	010	100	010	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0
	4A	010	0	15.0	010	0	5.00	0	100	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0	0
	4C	010	0	25.0	100	010	3.00	0	100	100	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	4E	0	0	15.0	500	100	1.00	0	100	0	0	0	0	010	010	0	0	0	010	0	0	0	0	0	0
	4G	0	0	17.0	010	100	2.00	0	100	0	0	100	0	0	010	0	0	0	0	0	010	0	0	0	0
	4I	0	0	12.0	100	100	1.00	0	100	0	0	0	0	0	010	0	0	0	010	0	0	0	0	0	0
	6I	010	0	30.0	100	010	3.00	0	010	0	0	0	0	0	010	0	0	0	0	0	010	0	0	0	0
	6G	0	0	30.0	100	010	5.00	0	100	010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	2.00	0	20.0	010	100	5.00	0	010	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	6C	010	0	25.0	010	100	1.00	0	010	0	0	0	0	0	100	0	500	0	0	0	0	0	0	0	0
	6A	500	0	20.0	500	100	12.0	0	100	0	0	0	0	010	010	0	500	0	0	0	0	0	0	0	0
	8A	010	0	17.0	1.00	100	0	0	010	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	8C	100	0	4.00	2.00	500	0	0	0	0	0	0	0	0	100	0	0	0	010	0	0	0	0	0	0
	8E	0	0	20.0	100	500	2.00	0	0	0	0	0	0	010	010	0	0	0	0	0	0	0	0	0	0
	8G	0	0	25.0	100	010	8.00	0	100	0	0	0	0	010	010	0	0	0	010	0	0	0	0	0	0
	8I	010	0	35.0	100	100	5.00	0	010	0	0	0	0	010	0	0	0	0	010	0	0	0	0	0	0
Mean		248	0	20.3	338	10	3.48	000	051	005	000	005	0	005	021	0	044	0	004	0	003	0	0	0	0
JUNE								0	0	0	0	010	0	0	100	0	0	0	100	0	0	010	0	0	0
	0A	2.00	0	25.0	500	2.00	0	0	0	0	0	0	0	100	500	0	0	0	010	0	0	0	0	0	0
	0C	1.00	0	25.0	500	1.00	0	0	100	0	0	0	0	1.00	500	0	0	0	010	0	010	010	0	0	0
	0E	500	0	25.0	500	1.00	5.00	0	100	0	0	100	0	500	500	0	0	0	010	0	100	0	0	0	0
	0G	1.00	0	25.0	1.00	1.00	2.00	0	100	0	0	0	0	4.00	0	0	100	0	010	0	010	0	100	0	0
	0I	100	0	30.0	1.00	500	5.00	0	500	0	0	100	0	1.00	1.00	0	0	0	100	0	0	0	0	0	0
	2I	0	0	25.0	1.00	500	4.00	0	500	0	0	0	0	4.00	500	0	0	0	0	0	100	0	0	0	0
	2G	0	0	25.0	1.00	1.00	5.00	0	1.00	0	0	100	0	0	500	0	010	0	100	0	0	010	0	0	0
	2E	5.00	0	20.0	100	1.00	1.00	0	500	0	500	0	0	0	500	0	500	0	0	0	0	0	0	0	0
	2C	100	0	25.0	500	500	7.00	0	500	0	0	0	0	5.00	4.00	0	100	0	010	0	0	0	0	0	0
	2A	1.00	0	25.0	0	0	10.0	1.00	100	0	0	0	0	4.00	100	0	500	0	0	0	0	010	0	0	0
	4A	0	0	20.0	100	500	5.00	0	500	0	0	010	100	2.00	100	0	100	0	100	0	0	0	100	0	0
	4C	500	0	25.0	500	500	2.00	0	100	0	0	010	0	0	100	0	0	0	100	0	0	010	0	0	0
	4E	010	0	15.0	100	1.00	3.00	0	500	010	0	0	0	500	0	0	0	0	0	0	010	0	0	0	0
	4G	100	0	15.0	1.00	500	4.00	0	500	0	0	100	0	100	100	0	0	0	0	0	010	010	0	0	0
	4I	0	0	15.0	1.00	500	1.00	0	010	100	0	0	0	010	100	0	0	0	010	0	0	0	0	0	0
	6I	2.00	0	20.0	500	1.00	3.00	0	500	500	0	010	0	2.00	0	010	0	0	0	0	010	0	0	0	0
	6G	0	0	30.0	100	100	5.00	0	500	0	0	100	0	0	100	0	0	0	0	0	010	0	0	0	0
	6E	2.00	0	25.0	100	500	7.00	0	500	0	0	100	0	500	100	0	500	0	010	0	0	0	0	0	0
	6C	100	0	25.0	500	1.00	2.00	0	0	0	0	0	0	1.00	100	0	1.00	0	0	0	0	0	100	0	0
	6A	500	0	15.0	1.00	500	5.00	0	1.00	0	0	0	0	1.00	100	0	0	0	010	0	0	0	0	0	0
	8A	100	0	20.0	1.00	500	0	0	0	0	0	0	0	0	100	0	0	0	010	0	0	0	0	0	0
	8C	500	0	5.00	2.00	2.00	0	0	010	0	0	0	0	0	500	0	0	0	100	0	0	0	0	0	0
	8E	100	0	15.0	1.00	1.00	2.00	0	010	0	0	0	0	1.00	500	0	0	0	010	0	010	0	0	0	0
	8G	010	0	30.0	500	100	5.00	0	500	0	0	0	0	1.00	010	0	0	0	010	0	0	0	0	0	0
	8I	100	0	25.0	500	500	5.00	0	010	0	0	0	0	2.00	010	0	0	0	010	0	0	0	0	0	0
Mean		981	0	22.2	640	748	3.92	040	342	024	020	026	004	115	461	000	112	0	028	0	011	002	012	0	0
JULY								0	100	0	0	500	0	0	500	0	0	0	010	0	0	010	0	0	0
	0A	4.00	0	20.0	1.00	2.00	0	0	500	0	0	500	0	0	500	0	0	0	010	0	0	010	0	0	0
	0C	5.00	0	15.0	3.00	2.00	2.00	0	500	0	0	0	500	2.00	500	0	0	0	100	0	0	100	0	0	0
	0E	100	0	25.0	1.00	2.00	10.0	0	100	0	0	100	0	1.00	100	0	0	0	010	0	100	0	0	0	0
	0G	0	0	25.0	2.00	2.00	2.00	0	500	100	0	100	0	5.00	0	0	0	0	010	0	100	0	100	0	0
	0I	010	0	30.0	2.00	1.00	10.0	0	500	0	0	100	0	2.00	1.00	0	0	0	100	0	010	0	0	0	0
	2I	100	0	15.0	500	2.00	4.00	0	100	0	0	100	0	4.00	500	0	0	0	100	0	100	010	0	0	0
	2G	100	0	30.0	3.00	1.00	10.0	0	500	0	0	500	0	0	500	0	0	0	100	0	0	010	0	0	0
	2E	5.00	0	15.0	1.00	2.00	2.00	0	100	0	100	0	0	500	2.00	0	0	0	0	0	010	010	0	0	0
	2C	500	0	30.0	1.00	1.00	15.0	500	100	0	0	100	0	2.00	0	0	1.00	010	0	0	0	0	0	0	0
	2A	500	0	20.0	100	500	5.00	0	500	0	0	500	0	4.00	500	0	0	0	0	0	0	0	100	0	0
	4A	2.00	0	25.0	500	500	5.00	0	500	1.00	0	500	500	2.00	500	0	100	0	010	0	0	010	500	0	0
	4C	500	0	20.0	1.00	2.00	3.00	0	500	0	0	100	0	0	500	0	0	0	100	0	0	010	0	100	0
	4E	100	0	20.0	0	3.00	1.00	0	100	0	0	500	100	1.00	100	0	0	0	010	0	0	0	0	0	0
	4G	0	0	25.0	500	2.00	4.00	0	500	500	0	500	0	0	500	0	0	0	0	0	0	100	0	0	0
	4I	0	0	20.0	1.00	3.00	1.00	0	1.00	0	0	100	500	1.00	1.00	0	0	0	100	0	0	010	0	100	0
	6I	500	0	25.0	1.00	2.00	3.00	0	0	0	0	500	500	3.00	500	0	0	0	0	0	0	0	100	0	0
	6G	0	0	25.0	500	1.00	4.00	0	500	0	0	500	0	0	500	0	0	0	100	0	0	010	0	0	0
	6E	500	0	25.0	1.00	2.00	5.00	0	1.00	0	0	500	0	0	500	0	1.00	0	100	0	0	010	100	0	0
	6C	500	0	25.0	500	2.00	500	0	100	0	0	100	0	0	500	0	500	0	100	0	0	0	100	0	0
	6A	500	0	10.0	2.00	1.00	2.00	0	1.00	0	0	100	0	4.00	1.00	0	0	0	100	0	0	100	0	0	0
	8A	500	0	20.0	3.00	2.00	0	0	0	0	0	100	0	0	1.00	0	0	0	0	010	0	100	0	0	0
	8C	500	0	4.00	3.00	2.00	0	0	0	0	0	0	0	0	500	0	0	0	100	0	0	100	0	100	0
	8E	100	0	15.0	1.00	3.00	3.00	0	0	0	0	0	0	2.00	500	0	0	0	010	0	0	0	0	0	0
	8G	500	0	25.0	500	500	5.00	0	3.00	0	0	0	0	4.00	500	0	0	0	010	0	0	0	100	100	0
	8I	0	0	20.0	100	2.00	4.00	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean		540	0	21.2	1.12	1.62	4.30	020	404	084	004	220	084	.62	568	0	104	000	047	000	012	024	044	016	0
AUG								0	100	0	0	100	0	0	1.00	0	0	0	100	0	0	010	0	0	0
	0A	500	0	20.0	3.00	4.00	0	0	1.00	0	0	500	0	1.00	2.00	0	0	0	100	0	100	010	0	0	0
	0C	4.00	0	15.0	2.00	3.00	0	0	1.00	0	0	1.00	0	1.00	1.00	0	0	0	100	0	100	100	0	0	0
	0E	500	0	25.0	2.00	4.00	2.00	0	500	0	0	500	0	500	100	0	0	0	100	0	500	0	0	0	0
	0G	0	0	25.0	1.00	4.00	2.00	0	1.00	0	0	500	0	7.00	100	0	0	0	100	0	100	0	0	0	0
	0I	0	0	25.0	1.00	1.00	5.00	0	1.00	0	0	500	0	1.00	100	0	0	0	100	0	0	0	0	0	0
	2I	0	0	20.0	2.00	4.00	4.00	0	1.00	0	0	100	0	1.00	500	0	0	0	100	0	0	010	0	0	0
	2G	500	0	25.0	3.00	2.00	8.00	0	2.00	0	0	100	100	4.00	500	0	0	0	500	0	0	010	0	0	0
	2E	8.00	0	20.0	1.00	6.00	1.00	0	500	0	0	500	0	0	500	0	0	0	010	0	0	010	0	0	100
	2C	0	0	25.0	1.00	500	10.0	100	1.00	0	0	1.00	0	0	1.00	0	500	0	100	0	0	0	0	100	0
	2A	500	0	25.0	100	500	10.0	500	100	500	0	500	0	5.00	0	0	0	0	010	0	0	0	100	0	0
	4A	500	0	20.0	500	500	10.0	0	1.00	0	0	500	0	7.00	500	0	100	0	100	0	0	010	0	0	0
	4C	100	0	25.0	500	4.00	5.00	0	2.00	0	0	500	0	3.00	100	0	0	0	010	0	0	010	0	010	0
	4E	100	0	15.0	1.00	5.00	3.00	0	1.00	0	0	500	0	0	1.00	0	0	0	100	0	0	0	0	0	0
	4G	010	0	25.0	2.00	2.00	5.00	0	500	0	0	500	0	3.00	2.00	0	0	010	0	0	100	100	0	010	0
	4I	010	0	15.0	2.00	5.00	2.00	0	2.00	0	0	1.00	0	0	500	0	0	0	010	0	0	010	0	0	0
	6I	2.00	0	30.0	2.00	5.00	6.00	0	100	1.00	0	100	0	1.00	500	0	0	0	100	0	010	0	100	0	0
	6G	010	0	25.0	1.00	1.00	5.00	0	1.00	1.00	0	500	0	3.00	100	0	0	0	100	0	100	010	0	0	0
	6E	4.00	0	30.0	1.00	3.00	5.00	0	2.00	0	0	500	0	0	500	0	0	0	500	0	0	010	100	010	0
	6C	500	0	27.0	2.00	5.00	4.00	0	0	0	0	500	0	0	1.00	0	2.00	0	010	0	0	010	100	010	0
	6A	1.00	0	20.0	1.00	2.00	15.0	0	2.00	0	0	1.00	0	8.00	2.00	0	1.00	0	010	0	0	0	0	0	0
	8A	1.00	0	22.0	3.00	5.00	0	0	0	0	0	2.00	0	0	3.00	0	0	010	100	0	0	010	0	0	0
	8C	1.00	0	6.00	3.00	10.0	0	0	0	0	0	1.00	0	0	2.00	0	0	010	100	0	0	100	0	0	0
	8E	1.00	0	11.0	2.00	5.00	2.00	0	0	0	0	0	0	0	2.00	0	0	0	500	0	0	100	0	0	0

SEADYN Project Monde-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Species Cover % Values By 5x5 m Plots

Date	Plot	LALA	PIGL	PIMA	ANPO	BEPU	LEGR	LOVI	OXMI	SAAR	SABE	SACA	SAGL	SAMY	SAPE	VAMY	VAVI	ASLU	CARO	COTR	DRRO	GALA	GEL	MAOB	LIBO
	80	500	0	20 0	500	2 00	10 0	0	1 00	0	0	500	0	3 00	1 00	0	0	0	100	0	100	010	0	0	0
	81	500	0	25 0	1 00	2 00	4 00	0	100	0	0	500	0	4 00	500	0	0	010	100	0	0	0	0	010	0
Mean		[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	024	836	100	0	575	004	[illegible]	898	0	144	002	126	0	044	02[illegible]	0[illegible]	008	004
8209	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	040	[illegible]	024	0	288	0	[illegible]	824	0	080	005	044	0	002	020	004	0	0
8208	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		402	0	[illegible]	[illegible]	480	[illegible]	0	264	028	0	028	0	204	[illegible]	0	164	0	[illegible]	0	002	004	000	0	0

TRANSPACE REQUIRED   [illegible] BYTES
[illegible] TRANSFORMATIONS
[illegible] RECODE VALUES + LAG VARIABLES
[illegible] IF/COMPUTE OPERATIONS

CPU TIME REQUIRED   [illegible] SECONDS

```
48 REPORT      FORMAT = NOPAGE   ...  LIST
49             VARIABLES = PLOT ... TO ...
50             HEAD = SEADYN Project  Monde-Slave Lake  Stand 7
51             Monthly Survey of Vascular Plant Community
52             Spec es Cover % Values By 5x5 m Plots
53             BREAK = SUBFILE  Date
54             SUMMARY = MEAN  Mean
```

REPORT REQUIRES   [illegible] BYTES FOR THIS TASK

SEADYN Project Hondo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	METP	MINL	OBRO	PAPA	PESP	POPA	PYSE	PYVI	RUAC	SASP	SMTR	SPRO	TOGL	CACA	CXDI	CXGY	CXIN	CXLI	CXRO	TRMA	EQFL	EQSC	MUCL	ARU
MAY																									
	0A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00	0	0	500	0	0	010	0	0
	0C	0	010	0	0	0	0	010	0	0	0	0	0	0	0	0	500	010	0	100	0	0	010	0	0
	0E	0	010	0	0	0	0	100	0	0	0	0	0	0	0	010	1.00	0	0	100	0	0	010	0	0
	0G	0	100	0	0	0	0	010	0	0	0	0	0	0	0	0	500	0	0	500	0	0	010	0	0
	0I	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	500	0	0	010	0	0	100	0	0
	2I	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	1.00	0	0	100	0	0	100	0	0
	2G	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	100	0	0	100	0	0	010	0	0
	2E	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	500	0	0	100	0	0	010	010	0
	2C	0	010	0	0	0	0	010	0	0	0	0	0	0	0	0	1.00	0	0	100	0	0	010	0	0
	2A	0	010	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	100	0	0	100	0	0
	4A	0	010	0	0	0	0	010	010	0	0	0	0	0	0	0	100	0	0	500	0	0	010	0	0
	4C	0	010	0	0	0	0	010	0	0	0	0	0	0	0	010	500	0	0	100	0	0	010	0	0
	4E	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	100	0	0	100	0	0	010	0	0
	4G	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	1.00	0	0	100	0	0	010	0	0
	4I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	100	0	0	010	010	0
	6I	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	2.00	0	0	100	0	0	010	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0	0	100	0	0	010	0	0
	6E	0	010	0	0	0	0	010	0	0	0	0	0	0	0	0	1.00	0	0	100	0	0	010	0	0
	6C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	500	0	0	100	0	0	010	0	0
	6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	010	100	0	0	100	0	0
	8A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	500	010	0	500	0	0	0	100	0
	8C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	2.00	010	0	500	0	0	0	010	0
	8E	0	010	0	0	0	0	0	0	0	0	0	0	0	0	010	1.00	0	0	1.00	0	0	010	0	0
	8G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	500	0	0	100	0	0	010	0	0
	8I	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	1.00	0	0	100	0	0	010	0	0
Mean		0	007	0	0	0	0	012	000	0	0	0	0	0	0	005	724	001	000	212	0	0	024	005	0
JUNE																									
	0A	100	0	0	0	0	500	0	0	0	0	1.00	0	0	0	3.00	4.00	0	0	1.00	100	010	0	0	0
	0C	100	100	500	0	0	0	100	0	0	0	1.00	0	010	0	0	2.00	0	0	5.00	0	010	100	0	0
	0E	100	100	0	0	0	0	010	0	0	0	100	0	0	0	0	1.00	0	0	3.00	0	010	010	0	0
	0G	010	100	500	0	0	0	100	0	0	0	500	0	0	0	500	1.00	0	0	4.00	0	010	010	0	0
	0I	0	0	100	0	0	0	100	0	0	0	500	0	0	0	0	1.00	0	0	3.00	0	0	010	0	0
	2I	0	0	0	0	0	0	100	0	0	0	500	0	0	0	0	3.00	0	010	5.00	0	010	100	0	0
	2G	010	0	0	0	0	0	100	0	0	0	500	0	0	0	0	2.00	0	0	2.00	0	0	100	0	0
	2E	100	0	0	0	0	0	0	0	0	0	500	0	010	0	500	1.00	0	0	5.00	010	010	010	0	0
	2C	0	0	010	0	0	0	0	0	0	0	500	0	0	0	0	2.00	0	0	2.00	0	0	010	0	0
	2A	0	100	0	0	0	0	0	0	0	0	1.00	0	0	0	0	1.00	0	0	3.00	0	010	010	0	010
	4A	0	100	0	0	0	0	010	0	0	0	1.00	0	0	0	0	1.00	0	0	2.00	0	010	010	0	0
	4C	010	100	0	0	0	0	010	0	0	0	1.00	0	0	0	0	500	0	0	1.00	0	010	010	0	0
	4E	0	0	010	0	0	0	0	0	0	0	100	0	0	0	0	2.00	0	0	2.00	0	010	010	0	0
	4G	0	0	010	0	0	0	100	0	0	0	500	0	0	0	0	2.00	0	0	1.00	0	010	100	0	0
	4I	010	0	100	0	0	0	0	0	0	0	100	100	0	0	0	1.00	0	0	500	010	0	010	0	0
	6I	010	0	0	0	0	0	010	0	0	0	100	0	0	0	0	2.00	0	0	1.00	0	0	010	0	0
	6G	100	0	010	0	0	0	0	0	0	0	100	0	0	0	0	1.00	0	010	1.00	0	010	010	0	0
	6E	010	100	0	0	0	0	100	0	0	0	500	0	0	0	0	3.00	0	0	1.00	0	010	010	0	0
	6C	0	0	0	0	0	010	0	0	010	0	100	0	010	0	100	4.00	0	0	2.00	0	010	100	0	0
	6A	100	010	0	0	0	010	0	0	010	0	500	0	0	0	100	1.00	0	0	2.00	0	0	500	0	0
	8A	100	010	0	0	0	010	0	0	010	0	500	0	0	0	500	2.00	0	0	3.00	0	010	100	0	0
	8C	100	0	0	0	0	100	0	0	0	0	100	0	010	0	0	5.00	010	0	2.00	0	010	0	010	0
	8E	100	010	0	0	0	100	0	0	0	0	1.00	0	0	0	500	3.00	0	0	2.00	0	010	010	0	0
	8G	100	0	0	0	0	0	0	0	0	0	100	0	0	0	010	2.00	0	010	1.00	0	0	010	0	0
	8I	010	0	500	0	0	0	0	0	0	0	500	0	0	0	010	3.00	0	0	1.00	0	100	0	0	0
Mean		043	023	070	0	0	023	030	0	001	0	492	004	002	0	205	2.02	000	001	2.30	005	011	050	000	000
JULY																									
	0A	1.00	0	100	0	0	500	0	0	0	0	2.00	100	0	0	100	5.00	0	500	3.00	100	100	010	0	0
	0C	2.00	0	0	0	0	100	0	0	0	0	2.00	0	100	0	100	4.00	100	500	3.00	010	100	100	0	0
	0E	4.00	010	0	0	0	0	0	0	0	0	3.00	100	0	0	0	2.00	0	500	4.00	500	0	100	0	0
	0G	1.00	100	100	0	0	0	100	0	0	0	3.00	0	0	0	100	2.00	0	100	2.00	010	100	100	0	0
	0I	500	0	0	0	0	0	010	0	0	0	1.00	010	0	0	100	2.00	010	0	2.00	0	010	100	0	0
	2I	100	0	0	0	0	0	0	0	0	0	2.00	010	0	0	0	3.00	0	500	2.00	0	010	100	0	0
	2G	1.00	0	0	0	0	0	0	0	0	0	2.00	0	0	0	0	2.00	100	0	3.00	010	010	010	0	0
	2E	2.00	0	0	0	0	0	010	0	0	0	1.00	100	0	0	100	2.00	0	100	4.00	010	100	010	0	0
	2C	500	010	0	0	0	0	0	0	0	0	3.00	0	0	0	0	3.00	0	0	2.00	0	100	100	0	0
	2A	0	100	0	010	0	0	0	0	0	0	3.00	0	0	0	0	3.00	0	100	2.00	0	100	0	0	0
	4A	0	010	0	0	0	0	010	0	0	0	2.00	0	0	0	100	2.00	0	0	1.00	0	010	100	0	0
	4C	500	100	0	0	0	0	010	0	0	0	2.00	010	0	0	100	2.00	0	100	1.00	0	100	100	0	0
	4E	500	0	100	0	0	0	010	0	0	0	2.00	0	0	0	500	1.00	100	0	3.00	0	0	010	0	0
	4G	500	0	100	0	0	0	100	0	0	0	1.00	0	0	0	0	1.00	0	0	2.00	0	0	010	0	0
	4I	500	0	100	0	0	0	0	0	0	0	500	0	010	0	0	500	0	0	2.00	100	0	010	0	0
	6I	1.00	0	0	0	0	0	010	0	0	0	1.00	0	0	0	0	2.00	0	0	1.00	0	010	010	0	0
	6G	500	0	500	0	0	0	010	0	0	0	2.00	0	0	0	0	500	0	0	1.00	0	010	010	0	0
	6E	1.00	500	0	0	0	100	010	0	0	0	2.00	0	0	0	0	2.00	0	0	3.00	0	0	010	0	0
	6C	500	0	0	0	0	100	0	0	0	0	3.00	0	100	010	0	1.00	0	0	2.00	010	0	010	0	0
	6A	1.00	100	0	0	0	500	010	0	100	0	2.00	0	0	0	500	1.00	0	0	2.00	0	010	100	0	0
	8A	2.00	0	0	0	0	500	0	0	100	0	1.00	0	0	0	0	3.00	0	0	2.00	100	010	010	0	0
	8C	1.00	0	0	0	0	500	0	0	0	0	1.00	0	100	0	500	1.00	100	0	1.00	100	010	010	0	0
	8E	1.00	0	0	0	0	1.00	0	0	0	0	500	0	0	0	100	1.00	010	0	2.00	100	010	0	0	0
	8G	500	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	500	0	0	1.00	0	010	010	0	0
	8I	500	0	500	0	0	0	010	0	0	0	500	0	0	0	500	500	0	0	2.00	100	010	0	0	0
Mean		924	037	060	000	0	132	012	0	008	0	1.74	013	012	000	112	1.88	017	095	2.12	046	022	041	0	0
AUG																									
	0A	1.00	0	500	0	0	500	0	0	0	0	3.00	100	0	0	4.00	2.00	500	0	1.00	100	010	010	0	0
	0C	2.00	100	500	0	0	100	100	0	0	0	3.00	0	100	0	2.00	2.00	100	0	5.00	100	010	010	0	0
	0E	4.00	010	0	0	0	0	100	0	0	0	2.00	100	0	0	100	3.00	0	0	2.00	100	0	100	0	0
	0G	2.00	100	100	0	0	0	100	0	0	0	3.00	0	100	0	500	1.00	0	0	3.00	100	010	100	0	0
	0I	0	0	0	0	0	0	500	0	0	0	1.00	100	0	0	1.00	2.00	0	0	2.00	0	010	500	0	0
	2I	0	0	0	100	0	0	100	0	0	0	2.00	0	0	0	500	4.00	100	0	1.00	100	0	100	0	0
	2G	500	0	0	0	0	0	100	0	0	0	4.00	0	0	0	100	1.00	100	0	2.00	0	0	100	0	0
	2E	3.00	0	0	0	0	0	100	0	0	0	2.00	100	0	0	1.00	1.00	0	0	3.00	100	010	100	0	0
	2C	500	100	100	0	0	0	100	0	0	0	7.00	500	0	0	100	1.00	0	0	2.00	010	010	100	0	0
	2A	0	100	0	0	0	100	100	0	0	0	4.00	500	0	0	2.00	2.00	100	0	3.00	100	010	100	0	0
	4A	0	100	0	0	0	0	100	0	0	0	3.00	100	0	0	500	1.00	0	0	2.00	0	010	100	0	0
	4C	500	100	0	0	0	0	0	0	0	0	4.00	0	0	0	500	1.00	0	0	1.00	100	010	100	0	0
	4E	1.00	0	100	0	0	0	0	0	0	0	2.00	010	0	0	100	1.00	1.00	0	7.00	500	100	100	100	0
	4G	1.00	0	100	0	0	0	100	0	0	0	3.00	010	0	010	0	2.00	0	010	3.00	0	010	500	010	0
	4I	2.00	0	100	0	0	0	0	0	0	0	1.00	0	100	0	100	2.00	0	100	3.00	100	0	500	100	0
	6I	2.00	0	0	0	0	0	0	0	0	0	1.00	010	0	0	0	3.00	0	0	5.00	100	010	100	0	0
	6G	1.00	0	0	0	0	0	0	0	0	0	2.00	0	0	0	0	2.00	0	010	3.00	0	010	100	0	0
	6E	2.00	100	0	0	0	100	100	0	0	0	4.00	010	0	0	0	4.00	0	500	4.00	0	010	100	0	0
	6C	3.00	0	0	0	0	500	0	0	100	0	4.00	0	500	0	100	3.00	0	0	4.00	100	010	100	0	0
	6A	1.00	0	0	0	0	500	0	0	500	0	2.00	0	0	0	500	2.00	100	500	4.00	0	500	500	0	0
	8A	3.00	0	0	010	0	500	0	0	100	0	3.00	100	0	0	500	5.00	0	1.00	5.00	100	100	010	0	0
	8C	4.00	0	0	100	0	500	0	0	0	0	1.00	0	100	500	500	3.00	0	1.00	4.00	0	100	100	100	0
	8E	5.00	0	0	100	0	1.00	0	0	0	0	2.00	0	0	0	1.00	4.00	0	500	5.00	500	0	100	0	0

SEADYN Project Hondo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	METR	MINU	DRRO	PAPA	PESP	POPA	PYSE	PYVI	RUAC	SASP	SMTP	SPRO	TOGL	CACA	CXDI	CXGY	CXIN	CXLI	CXRC	TRMA	EOFL	EOSC	MUGL	ARUV
	8G	1.00	0	010	0	0	0	0	0	0	0	2.00	0	0	0	0	4.00	0	0	6.00	100	100	100	0	0
	8I	1.00	0	1.00	0	0	0	100	0	0	0	1.00	0	0	0	100	5.00	0	100	2.00	100	010	100	0	0
Mean		1.62	028	100	012	0	152	056	0	028	0	2.64	066	036	020	508	2.48	060	149	3.24	096	042	153	012	0
SE09	0A	1.00	0	0	0	0	100	0	0	0	0	100	0	0	100	500	5.00	0	0	3.00	100	010	100	0	0
	0C	1.00	100	0	0	0	100	010	0	0	0	500	0	0	0	0	2.00	0	1.00	5.00	500	010	100	0	0
	0E	500	0	0	0	0	0	010	0	0	0	500	0	0	0	010	4.00	0	010	2.00	100	0	100	0	0
	0G	100	010	0	0	0	0	100	0	0	0	1.00	0	0	0	100	3.00	010	0	3.00	100	010	100	0	0
	0I	500	0	0	0	0	0	100	0	0	0	100	0	0	0	500	3.00	010	500	5.00	0	0	500	0	0
	2I	100	0	0	0	0	0	010	0	0	0	1.00	0	0	0	0	4.00	010	100	2.00	100	0	100	0	0
	2G	010	0	0	0	0	0	010	0	0	0	1.00	0	0	0	0	2.00	0	0	5.00	100	0	100	0	0
	2E	1.00	0	0	0	0	0	010	0	0	0	100	010	0	0	500	4.00	0	0	4.00	500	0	500	0	0
	2C	100	0	0	0	0	0	010	0	0	0	2.00	1.00	0	0	100	2.00	0	0	3.00	010	010	100	0	0
	2A	0	010	0	100	0	0	0	0	0	0	1.00	0	0	0	0	2.00	0	0	2.00	100	010	100	0	0
	4A	0	010	0	0	0	0	0	0	0	0	2.00	0	0	0	100	2.00	0	0	5.00	0	010	100	0	0
	4C	500	0	0	0	0	0	100	0	0	0	100	0	0	0	100	4.00	0	0	2.00	100	0	100	0	0
	4E	100	0	0	010	0	0	100	0	0	0	0	0	0	0	2.00	1.00	0	0	5.00	010	010	100	0	0
	4G	100	0	0	010	0	0	100	0	0	0	100	0	010	0	0	1.00	0	010	3.00	010	0	100	0	0
	4I	100	0	0	0	0	0	0	0	0	0	0	0	010	0	100	2.00	0	0	2.00	010	0	100	0	0
	6I	100	0	0	0	0	0	100	0	0	0	0	0	0	0	0	2.00	0	0	4.00	010	0	100	0	0
	6G	100	0	0	0	0	0	0	0	0	0	500	0	0	0	500	1.00	0	010	2.00	0	010	010	0	0
	6E	100	100	0	0	0	0	100	0	0	0	100	0	0	0	0	2.00	0	0	1.00	010	010	100	0	0
	6C	100	0	0	0	0	100	0	0	100	0	0	0	010	0	500	2.00	0	100	3.00	010	010	010	0	0
	6A	100	0	0	0	0	100	100	0	0	0	0	0	0	0	0	500	0	0	2.00	0	010	010	0	0
	8A	500	0	0	0	0	100	0	0	100	0	100	0	010	0	100	1.00	0	0	6.00	100	010	010	0	0
	8C	100	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	0	0	3.00	100	010	010	0	0
	8E	100	0	0	0	0	500	0	0	0	0	0	0	0	0	0	2.00	0	0	4.00	0	010	010	0	0
	8G	100	0	0	0	0	0	0	0	0	0	1.00	0	0	0	100	1.00	0	0	2.00	100	010	100	0	0
	8I	100	0	0	0	0	0	100	0	0	0	100	0	0	0	500	2.00	0	0	2.00	100	0	010	0	0
Mean		222	009	0	005	0	040	328	0	004	0	452	040	002	004	268	2.28	001	068	3.36	087	006	107	0	0
OC09	0A	0	0	0	0	0	010	0	0	0	0	0	0	0	010	500	1.00	0	0	2.00	010	010	010	0	0
	0C	0	010	0	0	0	0	100	0	0	0	0	0	0	0	100	100	0	0	500	100	010	010	0	0
	0E	0	010	0	0	0	0	100	0	0	0	0	0	0	0	100	1.00	0	0	500	100	0	100	0	0
	0G	0	100	0	0	0	0	500	0	0	0	0	0	0	010	500	500	0	0	1.00	010	010	100	0	0
	0I	0	0	0	0	0	0	100	0	0	0	0	0	0	0	010	100	0	0	500	0	0	100	0	0
	2I	0	0	0	0	0	0	100	0	0	0	0	0	0	0	500	1.00	0	0	500	010	0	010	0	0
	2G	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	500	0	0	500	0	010	010	0	0
	2E	0	0	0	0	0	0	100	0	0	0	0	0	0	0	500	500	0	0	2.00	010	0	100	0	0
	2C	0	010	0	0	0	0	100	0	0	0	0	0	0	0	100	1.00	0	0	500	010	0	100	0	0
	2A	0	100	0	0	0	0	010	0	0	0	0	0	0	0	0	100	0	0	2.00	0	0	100	0	0
	4A	0	100	0	0	0	0	0	0	0	0	0	0	0	0	100	500	0	0	2.00	0	0	100	0	0
	4C	0	0	0	0	0	0	010	0	0	0	0	0	0	0	100	100	0	0	500	010	010	100	0	0
	4E	0	0	0	0	0	0	100	0	0	0	0	0	0	0	500	500	0	0	2.00	0	010	010	0	0
	4G	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	2.00	0	010	1.00	0	0	500	010	0
	4I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00	0	100	2.00	010	0	500	0	0
	6I	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	3.00	0	0	3.00	010	0	100	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00	0	010	3.00	0	0	0	0	0
	6E	0	100	0	0	0	0	100	0	0	0	0	0	0	0	100	1.00	0	0	2.00	010	0	0	0	0
	6C	0	0	0	0	0	010	0	0	0	0	0	0	0	0	500	3.00	0	0	4.00	0	010	100	0	0
	6A	0	010	0	0	0	0	0	0	0	0	0	0	0	0	100	2.00	0	100	4.00	0	0	500	0	0
	8A	0	0	0	0	0	010	0	0	0	0	0	0	0	0	500	4.00	0	0	3.00	010	0	010	0	0
	8C	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	2.00	0	100	5.00	100	0	100	0	0
	8E	0	010	0	0	0	100	0	0	0	0	0	0	0	0	500	2.00	0	0	4.00	0	0	100	0	0
	8G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00	0	010	3.00	010	0	010	0	0
	8I	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	4.00	0	0	2.00	100	0	100	0	0
Mean		0	018	0	0	0	008	083	0	0	0	0	0	0	001	228	1.84	0	013	2.10	020	003	115	006	0

SEADYN Project, Hondo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ERGR	AR.A	EPPA
MA11				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0	0	0
	4A	0	0	0
	4C	0	0	0
	4E	0	0	0
	4G	0	0	0
	4I	0	0	0
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0	0	0
	8G	0	0	0
	8I	0	0	0
Mean		0	0	0
JN10				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0	0	0
	4A	0	0	0
	4C	0	0	0
	4E	0	0	0
	4G	0	0	0
	4I	0	0	0
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0	0	0
	8G	0	0	0
	8I	0	0	0
Mean		0	0	0
JL10				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0.10	0.10	0
	4A	0	0	0
	4C	0	0	0
	4E	0.10	0	0
	4G	0	0	0
	4I	0	0	0
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0.10	0	0
	8G	0	0	0
	8I	0	0	0
Mean		0.01	0.00	0
AU10				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0	0	0
	4A	0	0	0
	4C	0	0	0
	4E	0	0	0.10
	4G	0	0	0
	4I	0	0	0.10
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0.10
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0	0	0

SEADYN Project Hondo-Slave Lake Stand ?
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	ERGR	ARLA	EPPA
	8G	0	0	0
	8I	0	0	0.10
Mean		0	0	0.02
SE09				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0	0.10	0
	4A	0	0	0
	4C	0	0	0.10
	4E	0	0	0
	4G	0	0	0
	4I	0	0	0
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0	0	0
	8G	0	0	0
	8I	0	0	0
Mean		0	0.00	0.00
OC09				
	0A	0	0	0
	0C	0	0	0
	0E	0	0	0
	0G	0	0	0
	0I	0	0	0
	2I	0	0	0
	2G	0	0	0
	2E	0	0	0
	2C	0	0	0
	2A	0	0	0
	4A	0	0	0
	4C	0	0	0
	4E	0	0	0
	4G	0	0	0
	4I	0	0	0
	6I	0	0	0
	6G	0	0	0
	6E	0	0	0
	6C	0	0	0
	6A	0	0	0
	8A	0	0	0
	8C	0	0	0
	8E	0	0	0
	8G	0	0	0
	8I	0	0	0
Mean		0	0	0

SEADYN Project Hondo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MAY														
	0A	42 0	12 500	120	0 0	2 500	010	2	3	0	2	1	15 130	8
	0C	38 0	11 000	640	030	610	010	2	6	3	2	1	12 280	15
	0E	38 0	25 000	3 160	130	1 110	010	1	6	4	3	1	28 380	15
	0G	47 0	25 000	1 640	120	1 000	010	1	7	3	2	1	27 770	14
	0I	33 0	20 000	5 730	020	510	100	1	7	2	2	1	26 360	13
	2I	44 0	15 000	3 230	020	1 100	100	1	6	2	2	1	19 450	12
	2G	45 0	30 010	7 220	020	200	010	2	6	2	2	1	37 460	13
	2E	35 0	17 000	1 710	030	610	010	2	5	3	3	1	19 360	14
	2C	41 0	20 010	10 320	030	1 100	010	2	6	3	2	1	31 470	14
	2A	36 0	25 010	5 240	020	200	100	2	7	2	2	1	30 570	14
	4A	46 0	15 010	5 220	030	500	010	2	6	2	2	1	20 870	13
	4C	47 0	25 010	3 320	020	610	010	2	6	2	3	1	28 970	14
	4E	47 0	15 000	1 710	010	200	010	1	5	1	2	1	16 930	10
	4G	46 0	17 000	2 230	110	1 100	010	1	6	2	2	1	20 450	12
	4I	47 0	12 000	1 610	010	210	010	1	6	1	3	1	14 040	12
	6I	42 0	30 010	3 130	020	2 100	010	2	5	2	2	1	35 270	12
	6G	43 0	30 000	5 220	010	800	010	1	5	1	2	1	35 640	10
	6E	44 0	22 000	5 220	020	1 100	010	2	5	2	2	1	28 350	12
	6C	48 0	25 010	1 720	0 0	610	010	2	6	0	3	1	27 380	12
	6A	36 0	20 500	13 220	0 0	210	100	2	7	0	3	1	34 030	13
	8A	41 0	17 010	1 120	0 0	1 210	0 0	2	4	0	5	0	15 340	11
	8C	46 0	4 100	2 800	0 0	2 530	0 0	2	3	0	5	0	9 230	10
	8E	38 0	20 000	2 610	020	2 010	010	1	4	2	3	1	24 650	11
	8G	45 0	25 000	6 230	0 0	610	010	1	6	0	3	1	33 850	11
	8I	37 0	35 010	6 220	020	1 100	010	2	5	2	2	1	41 360	12
Mean		42 3	20 528	6 0628	02760	94960	02360	1 60	5 48	1 68	2 60	92	25 591	12 28
JUNE														
	0A	56 0	27 000	2 610	1 710	8 100	010	2	4	5	4	1	35 430	16
	0C	54 0	27 000	2 200	1 820	7 000	110	2	5	7	2	2	38 130	18
	0E	56 0	25 500	8 100	340	4 000	020	2	6	7	2	2	37 860	19
	0G	58 0	26 000	5 200	1 320	5 500	020	2	7	7	3	2	38 040	21
	0I	54 0	30 100	11 100	820	4 000	010	2	6	6	2	1	46 030	17
	2I	60 0	25 000	8 100	700	6 010	110	1	7	3	3	2	41 920	16
	2G	48 0	25 000	12 500	710	5 000	100	1	6	4	2	1	43 310	14
	2E	[illegible] 0	25 000	3 210	720	6 510	020	2	7	5	4	2	35 460	20
	2C	46 0	25 100	10 000	510	4 000	010	2	7	2	2	1	35 620	14
	2A	57 0	21 000	20 210	1 110	4 000	020	2	7	3	2	2	51 340	16
	4A	50 0	20 000	11 700	1 120	2 000	020	1	7	4	2	2	35 840	16
	4C	44 0	25 500	8 310	1 320	1 500	020	2	9	6	2	2	36 650	21
	4E	47 0	15 010	6 310	220	4 000	020	2	6	4	2	2	23 550	16
	4G	56 0	19 100	6 510	620	3 000	110	2	6	4	2	2	25 340	16
	4I	57 0	15 000	3 300	330	1 510	010	1	7	6	3	1	20 150	18
	6I	46 0	32 000	4 720	130	3 000	010	2	7	4	2	1	39 860	16
	6G	38 0	30 000	8 220	220	2 010	020	1	8	4	3	2	40 470	16
	6E	46 0	26 000	8 300	720	4 000	020	2	8	5	2	2	41 040	17
	6C	42 0	25 100	4 700	140	7 100	110	2	7	5	3	2	37 150	19
	6A	47 0	18 500	13 600	730	3 100	500	2	7	6	3	1	33 430	19
	8A	54 0	21 000	1 600	640	5 500	110	2	3	6	3	2	28 850	16
	8C	47 0	5 500	5 510	320	7 020	010	2	4	5	4	1	18 360	16
	8E	51 0	15 100	4 510	1 310	5 500	020	2	5	5	3	2	26 440	17
	8G	48 0	30 010	10 110	220	3 020	010	2	6	4	4	1	43 370	17
	8I	46 0	25 100	8 020	1 020	4 010	100	2	6	4	3	1	38 250	16
Mean		51 0	23 189	7 4550	75280	4 5256	05080	1 80	6 24	4 84	2 68	1 60	38 000	17 16
JULY														
	0A	60 0	24 000	6 100	2 720	8 700	110	2	5	7	5	2	40 630	21
	0C	57 0	20 000	8 500	4 220	7 710	200	2	6	6	6	2	40 630	22
	0E	56 0	25 100	16 500	7 310	7 000	100	2	7	6	4	1	56 010	20
	0G	47 0	25 000	8 300	6 410	6 210	200	1	7	7	5	2	42 120	22
	0I	51 0	30 010	18 700	1 730	4 110	110	2	7	7	4	2	54 660	22
	2I	46 0	15 100	10 100	2 220	5 500	110	2	7	5	3	2	33 030	19
	2G	47 0	30 100	18 600	3 210	5 110	020	2	7	5	4	2	57 040	20
	2E	48 0	21 000	6 500	3 220	6 210	110	2	6	6	5	2	37 040	21
	2C	50 0	30 500	19 700	2 530	5 000	200	2	7	5	2	2	58 930	18
	2A	53 0	20 500	14 300	3 130	5 110	100	2	8	5	4	1	43 140	20
	4A	45 0	28 000	14 500	2 120	3 100	110	2	7	4	3	2	47 830	18
	4C	48 0	20 500	12 100	2 140	3 200	200	2	10	8	4	2	38 140	26
	4E	54 0	20 100	4 700	2 820	4 510	010	2	5	7	5	1	32 240	20
	4G	50 0	25 000	9 200	1 710	3 000	010	1	9	5	2	1	38 920	18
	4I	48 0	20 000	7 000	1 210	2 800	010	1	6	5	3	1	30 820	16
	6I	54 0	25 500	8 600	2 220	3 000	020	2	7	6	2	2	39 340	19
	6G	48 0	25 000	16 500	2 110	1 500	020	1	8	5	2	2	40 130	18
	6E	52 0	25 500	10 000	3 720	5 000	010	2	6	7	2	1	44 230	18
	6C	54 0	25 500	4 700	3 910	3 020	010	2	7	7	4	1	37 140	21
	6A	50 0	10 500	12 100	3 910	3 500	110	2	8	8	2	2	30 120	23
	8A	55 0	20 500	6 100	3 800	5 100	020	2	4	6	3	2	35 520	17
	8C	54 0	4 500	7 000	2 710	2 700	020	2	2	6	5	2	16 930	16
	8E	52 0	15 100	5 500	2 800	2 220	010	2	4	6	6	1	26 630	19
	8G	48 0	25 500	10 500	1 510	1 500	020	1	6	3	2	2	39 030	15
	8I	48 0	20 000	10 700	1 720	3 100	010	1	6	7	4	1	35 530	19
Mean		51 0	22 100	10 340	3 0844	4 2724	07400	1 80	6 52	5 96	3 68	1 64	39 871	19 60
AUG														
	0A	57 0	20 800	8 200	5 210	8 800	020	2	5	7	5	2	42 530	21
	0C	54 0	22 000	8 800	6 110	9 200	020	2	6	10	5	2	46 830	25
	0E	57 0	25 800	13 000	6 510	6 200	100	2	7	8	4	1	51 310	22
	0G	56 0	25 000	8 600	8 000	4 600	110	1	7	8	4	2	44 310	22
	0I	56 0	25 000	15 600	1 800	5 000	510	1	7	5	3	2	47 910	18
	2I	55 0	20 000	12 600	2 300	5 700	100	1	7	4	5	1	40 700	18
	2G	56 0	25 800	18 700	4 710	3 200	100	2	8	5	4	1	52 210	20
	2E	60 0	28 000	9 500	5 710	5 100	110	2	6	6	4	2	48 420	20
	2C	57 0	26 000	14 700	8 320	3 110	110	1	6	9	4	2	51 240	24
	2A	58 0	25 800	17 700	5 000	7 200	110	2	5	7	5	2	55 510	25
	4A	58 0	20 500	26 000	3 410	3 800	110	2	7	6	3	2	47 520	20
	4C	57 0	25 100	15 200	4 710	2 600	110	2	8	5	4	2	47 720	21
	4E	57 0	15 100	11 500	3 150	9 700	200	2	6	6	6	2	39 650	24
	4G	64 0	25 010	15 000	4 310	5 030	510	2	7	6	5	2	49 860	22
	4I	59 0	15 010	12 500	3 430	5 400	500	2	8	9	6	1	36 840	24
	6I	55 0	22 000	17 700	3 030	8 100	110	2	6	5	3	2	50 940	20
	6G	51 0	25 010	15 600	3 210	5 010	110	2	6	5	3	2	48 940	20
	6E	57 0	34 000	16 000	6 520	6 500	110	2	8	9	3	2	65 130	22
	6C	55 0	27 500	15 500	6 730	7 200	110	2	6	10	4	2	58 040	24
	6A	57 0	21 000	30 000	4 010	7 100	1 000	2	8	5	5	2	63 110	22
	8A	59 0	23 000	14 000	6 830	11 600	110	2	4	9	5	2	55 540	22
	8C	58 0	7 000	16 000	5 910	9 100	200	2	4	8	6	2	38 210	22
	8E	55 0	12 000	16 000	8 700	11 000	100	2	6	6	5	1	47 800	18

SEADYN Project Mongo-Slave Lake Stand 7
Monthly Survey of Vascular Plant Community,
Soil Temperature and Synthetic Variables by 5x5 m Plots

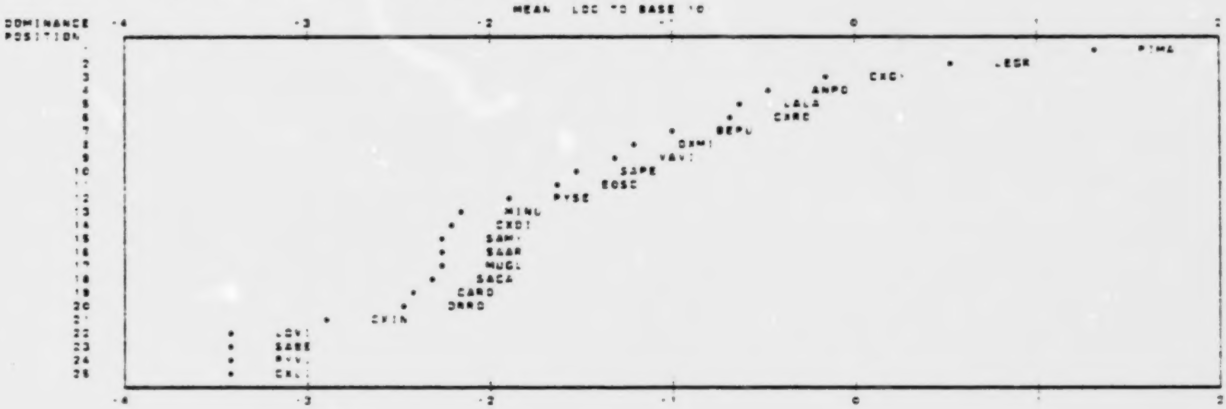
Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
	80	53 0	20 500	16 000	3 220	8 100	200	2	7	5	3	2	50 020	20
	81	53 0	25 500	12 100	3 220	7 300	110	2	7	8	5	2	49 240	24
Mean		56 2	22 849	14 932	4 8828	5 8860	19520	1 84	5 84	6 56	4 36	1 80	49 675	21 50
SEP9														
	04	60 0	28 000	1 510	1 310	8 700	110	2	5	5	5	2	49 830	1
	06	52 9	22 000	10 100	910	8 500	110	2	7	4	4	2	43 820	22
	08	54 0	39 100	17 000	130	7 120	100	2	7	8	1		60 450	21
	0G	55 0	39 100	8 810	230	8 210	110	2	7	8	5	2	51 290	21
	01	55 0	20 100	20 000	110	9 010	500	2	8	4	5	1	60 320	17
	21	55 0	20 100	15 000	310	8 310	100	2	8	4	9	1	42 820	19
	20	56 0	30 100	21 200	950	7 100	100	2	7	4	3	1	59 550	19
	28	55 0	24 000	9 500	450	9 000	500	2	8	8	4	1	44 550	21
	22	52 0	30 100	15 000	2 120	5 110	110	2	8	5	4	2	53 440	20
	24	52 0	30 100	15 600	1 230	4 100	110	2	7	5	3	2	51 140	21
	44	54 0	23 000	21 700	2 010	7 100	110	2	8	8	3	2	53 920	17
	40	55 0	21 000	10 100	720	6 200	100	2	8	2	3	2	38 120	19
	48	58 0	20 500	7 100	410	6 010	110	2	7	5	4	1	38 130	19
	4C	58 0	25 000	12 100	320	4 920	100	2	8	5	4	2	41 540	18
	41	57 0	20 000	7 600	220	6 10	100	2	7	5	4	1	32 030	15
	61	56 0	25 100	9 800	310	6 310	100	1	5	4	4	1	41 220	7
	62	54 0	25 000	19 600	700	4 510	020	2	7	4	3	1	49 130	15
	68	58 0	25 500	11 200	400	2 010	110	2	8	2	4	2	41 220	8
	62	58 0	28 500	6 200	220	5 610	020	2	5	5	2	2	37 650	2
	64	54 0	16 000	15 600	220	2 500	020	2	7	5	5	2	35 440	19
	64	59 0	25 100	7 500	920	7 200	020	2	4	5	2	2	40 740	9
	82	1 0	4 000	7 000	300	5 100	020	2	4	7	4	2	20 420	14
	88	61 0	16 000	7 600	610	8 000	020	3	2	3	4	2	30 220	12
	82	60 0	25 100	15 000	120	4 200	110	2	4	4	2	2	45 530	8
	3	56 0	25 500	11 200	400	4 800	010	2	7	4	6	2	41 710	8
Mean		56 2	24 400	12 512	0252	5 0495	11280	1 84	6 22	4 88	3 88	1 80	44 [illegible]0	8 52
OCT9														
	04	46 0	28 800	810	030	4 520	020	2	2	3	5	2	33 640	5
	0C	42 0	[illegible] 000	400	30	800	020	2	2	4	4	2	12 350	1
	08	42 0	28 010	3 810	30	700	100	2	8	4	4	1	30 750	7
	03	37 0	28 000	4 120	800	3 320	110	2	8	3	5	2	31 350	5
	0	39 0	28 010	5 210	100	810	100	2	8	1	3	1	2 030	3
	[illegible]	45 0	28 000	4 200	110	3 010	010	2	8	2	4	1	31 320	2
	2[illegible]	44 0	20 010	8 800	110	00	020	2	8	3	3	2	27 840	4
	28	41 0	22 000	2 810	120	4 010	100	2	8	2	4	1	28 740	5
	2[illegible]	41 0	25 100	7 20	110	1 810	100	2	8	2	4	1	24 040	15
	2[illegible]	38 0	25 000	8 810	130	3 00	00	2	8	4	2	1	23 940	4
	44	42 0	20 010	5 100	110	2 630	100	2	5	2	3	1	28 920	13
	4C	38 0	29 100	4 220	020	710	110	2	7	2	4	2	30 160	7
	48	36 0	20 100	3 700	200	3 000	020	2	5	2	3	2	27 220	7
	4C	38 0	20 000	9 220	120	4 020	500	7	8	2	4	1	33 860	7
	41	39 0	15 100	5 700	010	4 110	500	2	8	2	4	1	35 420	4
	6[illegible]	41 0	28 800	12 000	110	8 010	00	2	5	2	3		43 720	2
	82	38 0	30 010	12 700	010	8 010	0 0	2	8		3	0	48 730	2
	88	38 0	32 000	6 10	230	3 10	0 0	2	8	5	4	0	43 480	17
	82	40 0	20 800	6 700	230	7 500	0	2	8	3	3	2	34 840	5
	92	39 0	11 000	17 100	020	7 00	500	2	7	2	4	1	35 720	5
	34	4 0	20 800	7 800	030	7 810	010	2	2	2	4	1	35 550	3
	8C	45 0	8 000	6 000	020	5 200	100	2	4	2	4	1	22 220	3
	88	41 0	10 800	6 500	130	7 500	100	2	5	4	2	1	24 730	14
	8C	38 0	15 100	11 820	020	5 020	010	2	7	2	4	1	32 770	8
	8[illegible]	38 0	20 010	9 800	130	5 00	100	2	8		3		35 0	3
Mean		39 8	20 922	6 7684	0920	3 9992	11760	84	5 44	2 48	3 84	20	31 915	14 50

Mondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE ST82V (CREATION DATE = 04/17/83) Stand 7 (62 y old Black Spruce) 1982 Vascular Cover Data 5x5 m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	60.000	0.24760	0.57657	0.11531	0.46572	0.0	2.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	20.28000	7.28880	1.45776	0.07188	4.00000	35.00000
Andromeda polifolia	ANPO	25	96.000	0.32560	0.45461	0.09092	0.27924	0.0	2.00000
Betula pumila	BEPU	25	96.000	0.10080	0.15642	0.03128	0.31035	0.0	0.50000
Ledum groenlandicum	LEGR	25	88.000	3.48400	3.15934	0.63187	0.18136	0.0	12.00000
Lonicera villosa	LOVI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Oxycoccus microcarpus	OXMI	25	88.000	0.05520	0.04707	0.00941	0.17054	0.0	0.10000
Salix arbusculoides	SAAR	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Salix bebbiana	SABE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Salix candida	SACA	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Salix glauca	SAGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix myrtillifolia	SAMY	25	52.000	0.00520	0.00510	0.00102	0.19612	0.0	0.01000
Salix pedicellaris	SAPE	25	76.000	0.02920	0.04082	0.00816	0.27957	0.0	0.10000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium vitis-idaea	VAVI	25	16.000	0.04800	0.13880	0.02776	0.57835	0.0	0.50000
Aster junciformis	ASJU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rotundifolia	CARO	25	36.000	0.00360	0.00490	0.00098	0.27217	0.0	0.01000
Corallorrhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drosera rotundifolia	DRRO	25	32.000	0.00320	0.00476	0.00095	0.29756	0.0	0.01000
Galium labradoricum	GALA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Habenaria obtusata	HAOB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes trifoliata	METR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	36.000	0.00720	0.01980	0.00396	0.55277	0.0	0.10000
Orchis rotundifolia	ORRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parnassia palustris	PAPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla palustris	POPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pyrola secunda	PYSE	25	60.000	0.01320	0.02657	0.00531	0.40259	0.0	0.10000
Pyrola virens	PYVI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rubus acaulis	RUAC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spiranthes romanzoffiana	SPRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tofieldia glutinosa	TOGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex diandra	CXDI	25	28.000	0.00840	0.01997	0.00399	0.47552	0.0	0.10000
Carex gynocrates	CXGY	25	100.000	0.72400	0.58472	0.11694	0.16153	0.10000	2.00000
Carex interior	CXIN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Carex limosa	CXLI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex rostrata	CXRO	25	100.000	0.21240	0.23294	0.04659	0.21934	0.01000	1.00000
Triglochin maritima	TRMA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum fluviatile	EQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum scirpoides	EQSC	25	92.000	0.02360	0.03414	0.00683	0.28934	0.0	0.10000
Muhlenbergia glomerata	MUGL	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eriophorum gracile	ERGR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arenaria lateriflora	ARLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium palustre	EPPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 25 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.6477
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.7772 (NATURAL LOGARITHMS)

25 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 25.5812

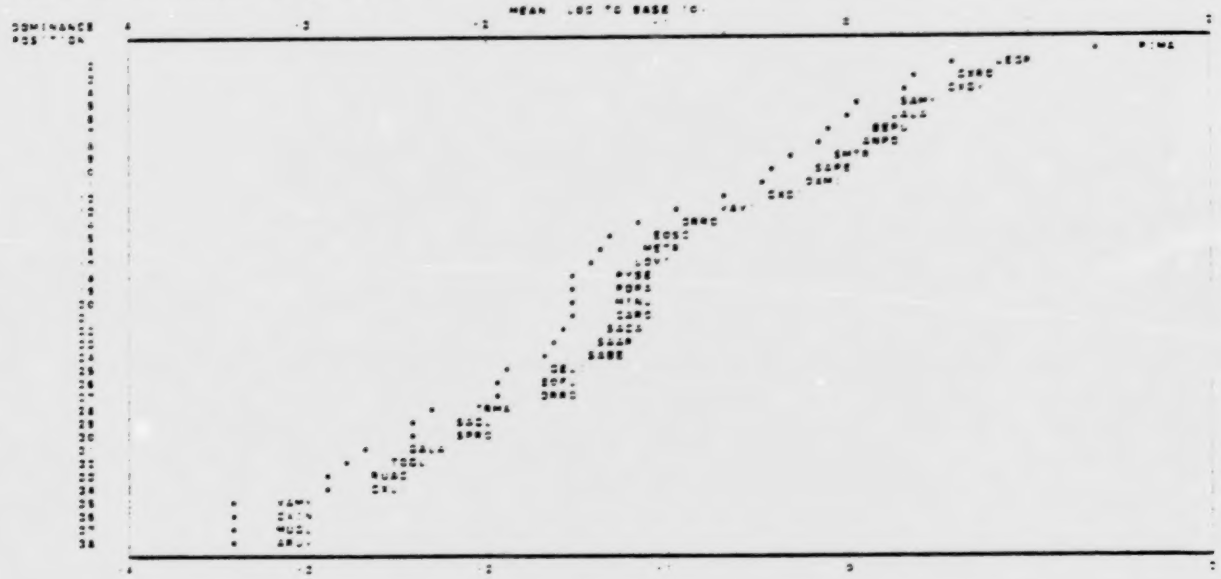


HONGE-SLAVE LAKE STAND 7 1982 VASCULAR MONTHLY SURVEY 04/17/83 PAGE 4
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE ST82V CREATION DATE = 04/17/83 STAND 7 82, S/O BLACK SPRUCE 1982 VASCULAR COVER DATA 5X5 M
SUBFILE UNIO

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	60.000	0.56480	1.71772	0.34355	0.34865	0.0	7.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	22.20000	5.13732	1.02746	0.05529	5.00000	30.00000
Andromeda polifolia	ANPO	25	56.000	0.68000	0.60346	0.12069	0.17748	0.0	2.00000
Betula pumila	BEPU	25	56.000	0.74800	0.49061	0.09812	0.13118	0.0	2.00000
Ledum groenlandicum	LEGR	25	64.000	3.52000	2.88560	0.57712	0.16395	0.0	10.00000
Lonicera villosa	LOVI	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Oxycoccus microcarpus	OXMI	25	68.000	0.34160	0.33123	0.06625	0.19393	0.0	1.00000
Salix arbusculoides	SAAR	25	12.000	0.02440	0.10104	0.02022	0.82853	0.0	0.50000
Salix bebbiana	SABE	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Salix candida	SACA	25	40.000	0.07560	0.04283	0.00857	0.33457	0.0	0.10000
Salix glauca	SAGL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Salix myrtillifolia	SAMY	25	56.000	1.14840	1.53639	0.30728	0.26792	0.0	5.00000
Salix pedicellaris	SAPE	25	56.000	0.40080	0.78278	0.15656	0.39060	0.0	4.00000
Vaccinium myrtilloides	VAMY	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vaccinium vitis-idaea	VAVI	25	32.000	0.11360	0.24700	0.04940	0.43551	0.0	1.00000
Aster junciformis	ASJU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rotundifolia	CARO	25	68.000	0.03840	0.04130	0.00826	0.25084	0.0	0.10000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drosera rotundifolia	DRRO	25	36.000	0.01960	0.03722	0.00744	0.38?13	0.0	0.10000
Galium labradoricum	GALA	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Geocaulon lividum	GELI	25	16.000	0.01240	0.03308	0.00662	0.53348	0.0	0.10000
Habenaria obtusata	HAOB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes trifoliata	METR	25	68.000	0.04280	0.04783	0.00957	0.22356	0.0	0.10000
Mitella nuda	MINU	25	40.000	0.02320	0.04518	0.00904	0.38942	0.0	0.10000
Orchis rotundifolia	ORRO	25	36.000	0.06960	0.16441	0.03290	0.47265	0.0	0.50000
Parnassia palustris	PAPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla palustris	POPA	25	24.000	0.03920	0.10165	0.02033	0.51862	0.0	0.50000
Pyrola secunda	PYSE	25	44.000	0.02960	0.04455	0.00891	0.30?73	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus acaulis	RUAC	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	100.000	0.48200	0.34025	0.06805	0.1412	0.10000	1.00000
Spiranthes romanzoffiana	SPRO	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Tofieldia glutinosa	TOGL	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex diandra	CXDI	25	36.000	0.20880	0.61000	0.12200	0.58429	0.0	3.00000
Carex gynocrates	CXGY	25	100.000	2.32000	1.5907	0.31?8	0.1?71	0.50000	5.00000
Carex interior	CXIN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex limosa	CXLI	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Carex rostrata	CXRO	25	100.000	2.30000	1.38921	0.27784	0.12080	0.50000	5.00000
Triglochin maritima	TRMA	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Equisetum fluviatile	EQFL	25	72.000	0.01080	0.01913	0.00383	0.35428	0.0	0.10000
Equisetum scirpoides	EQSC	25	68.000	0.05000	0.10166	0.02033	0.40?42	0.0	0.50000
Muhlenbergia glomerata	MUGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Arctostaphylos uva-ursi	ARUV	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Eriophorum gracile	ERGR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arenaria lateriflora	ARLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium palustre	EPPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 38 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4024
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.5286 NATURAL LOGARITHMS

38 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 38.0000

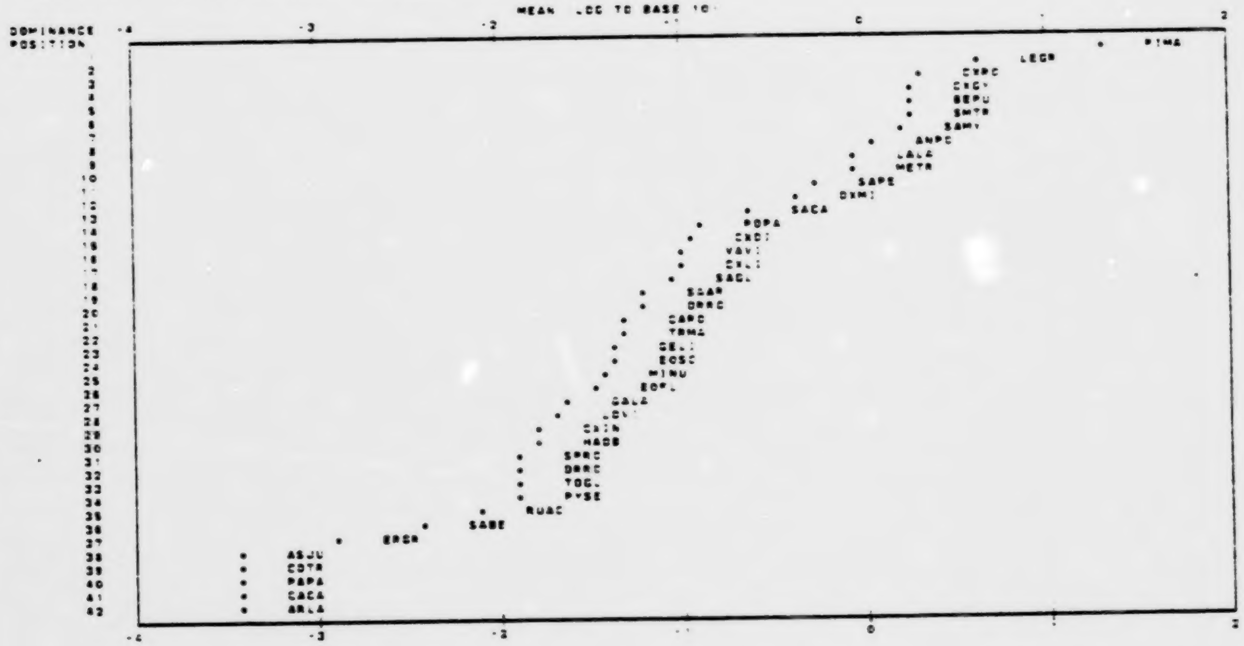


Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S782X (CREATION DATE = 04/17/83) Stand 7 (62 y old Black Spruce) 1982 Vascular Cover Data (5x5 m)
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	80.000	0.84040	1.66388	0.33277	0.39596	0.0	8.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	21.16000	6.28279	1.25656	0.05938	4.00000	30.00000
Andromeda polifolia	ANPO	25	96.000	1.12800	0.83443	0.16689	0.14795	0.0	3.00000
Betula pumila	BEPU	25	100.000	1.82000	0.81496	0.16299	0.08956	0.50000	3.00000
Ledum groenlandicum	LEGR	25	88.000	4.30000	3.92110	0.78422	0.18238	0.0	15.00000
Lonicera villosa	LOVI	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Oxycoccus microcarpus	OXMI	25	84.000	0.40800	0.36277	0.07255	0.17783	0.0	1.00000
Salix arbusculoides	SAAR	25	12.000	0.08400	0.21962	0.04392	0.52290	0.0	1.00000
Salix bebbiana	SABE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Salix candida	SACA	25	76.000	0.22000	0.21794	0.04359	0.19813	0.0	0.50000
Salix glauca	SAGL	25	20.000	0.08400	0.18637	0.03727	0.44374	0.0	0.50000
Salix myrtillifolia	SAMY	25	80.000	1.62000	1.71561	0.34312	0.21180	0.0	5.00000
Salix pedicellaris	SAPE	25	92.000	0.56800	0.40591	0.08118	0.14293	0.0	2.00000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium vitis-idaea	VAVI	25	16.000	0.10400	0.28782	0.05756	0.55370	0.0	1.00000
Aster junciformis	ASJU	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Campanula rotundifolia	CARO	25	76.000	0.04720	0.04782	0.00958	0.20304	0.0	0.10000
Corallorhiza trifida	COTR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Drosera rotundifolia	DRRO	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Galium labradoricum	GALA	25	60.000	0.02400	0.03905	0.00781	0.32542	0.0	0.10000
Geocaulon lividum	GELI	25	28.000	0.04400	0.10440	0.02088	0.47456	0.0	0.50000
Habenaria obtusata	HAOB	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Linnaea borealis	LIBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes trifoliata	METR	25	92.000	0.92400	0.84571	0.16914	0.18306	0.0	4.00000
Mitella nuda	MINU	25	32.000	0.03720	0.10322	0.02064	0.55495	0.0	0.50000
Orchis rotundifolia	ORRO	25	28.000	0.06000	0.13844	0.02769	0.46148	0.0	0.50000
Parnassia palustris	PAPA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla palustris	POPA	25	32.000	0.13200	0.25775	0.05155	0.39053	0.0	1.00000
Pyrola secunda	PYSE	25	48.000	0.01200	0.02693	0.00539	0.44876	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus acaulis	RUAC	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	100.000	1.74000	0.84311	0.16862	0.09691	0.50000	2.00000
Spiranthes romanzoffiana	SPRO	25	24.000	0.01320	0.03288	0.00658	0.49816	0.0	0.10000
Tofieldia glutinosa	TOGL	25	16.000	0.01240	0.03306	0.00662	0.53348	0.0	0.10000
Calamagrostis canadensis	CACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex diandra	CXDI	25	48.000	0.11200	0.17870	0.03574	0.31911	0.0	0.50000
Carex gynocrates	CXGY	25	100.000	1.88000	1.14819	0.22964	0.12215	0.50000	5.00000
Carex interior	CXIN	25	24.000	0.01680	0.03716	0.00743	0.44240	0.0	0.10000
Carex limosa	CXLI	25	32.000	0.09600	0.18367	0.03673	0.38264	0.0	0.50000
Carex rostrata	CXRO	25	100.000	2.12000	0.88129	0.17626	0.08314	1.00000	4.00000
Triglochin maritima	TRMA	25	44.000	0.04600	0.10360	0.02072	0.45044	0.0	0.50000
Equisetum fluviatile	EQFL	25	76.000	0.03230	0.04287	0.00857	0.26598	0.0	0.10000
Equisetum scirpoides	EQSC	25	88.000	0.04120	0.04512	0.00902	0.21904	0.0	0.10000
Muhlenbergia glomerata	MUGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arctostaphylos uva-ursi	ARUV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eriophorum gracile	ERGR	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Arenaria lateriflora	ARLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Epilobium palustre	EPPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 42 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2063
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.8685 (NATURAL LOGARITHMS)

42 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 38.8712

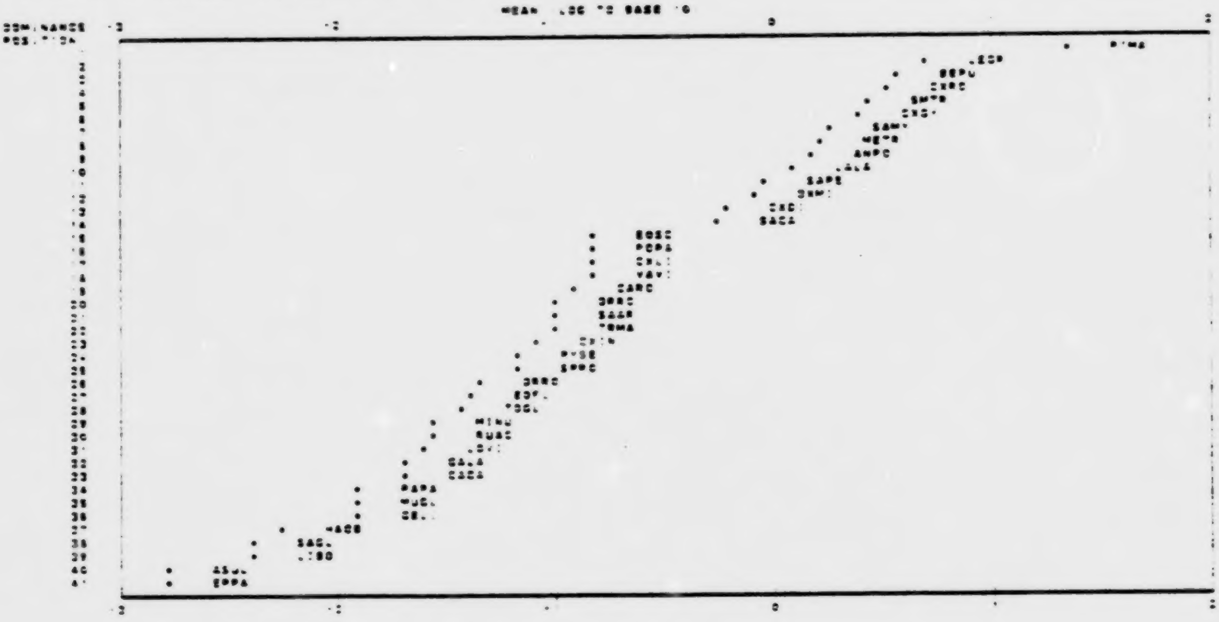


Hongo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE ST82V CREATION DATE = 04/17/83 Stand 7 52 y old Black Spruce 1982 Vascular Cover Data 5x5 m
SUBFILE AU10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	64.000	1.20920	2.21333	0.44267	0.36582	-0.0	8.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Picea mariana	PIMA	25	100.000	21.84000	5.72817	1.14563	0.05245	6.30000	30.30000
Andromeda polifolia	ANPO	25	100.000	1.58400	0.82183	0.16437	0.10377	0.10000	3.00000
Betula pumila	BEPU	25	100.000	3.74000	2.45641	0.49170	0.13137	0.50000	10.00000
Ledum groenlandicum	LEGR	25	64.000	5.20000	4.07226	0.81445	0.15663	-0.0	15.00000
Lonicera villosa	LOVI	25	8.000	0.03400	0.10118	0.02022	0.64300	-0.0	0.50000
Oxycoccus microcarpus	OXMI	25	84.000	0.83600	0.71640	0.14328	0.17139	-0.0	3.00000
Salix arbusculoides	SAAR	25	12.000	0.10000	0.28868	0.05774	0.57735	-0.0	1.00000
Salix bebbiana	SABE	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Salix candida	SACA	25	88.000	0.57600	0.42088	0.08412	0.14604	-0.0	2.00000
Salix glauca	SAGL	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Salix myrtillifolia	SAMY	25	88.000	1.58400	2.38845	0.47769	0.24879	-0.0	7.00000
Salix pedicellaris	SAPE	25	88.000	0.88800	0.75253	0.15051	0.17030	-0.0	3.00000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Vaccinium vitis-idaea	VAVI	25	16.000	0.14400	0.44448	0.08890	0.61734	-0.0	2.00000
Aster junciformis	ASJU	25	16.000	0.00160	0.00374	0.00075	0.46771	-0.0	0.01000
Campanula rotundifolia	CARO	25	96.000	0.12600	0.14629	0.02926	0.23220	-0.0	0.50000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Drosera rotundifolia	DRRO	25	32.000	0.04440	0.10425	0.02085	0.46958	-0.0	0.50000
Galium labradoricum	GALA	25	64.000	0.02080	0.03556	0.00713	0.34212	-0.0	0.10000
Geocaulon lividum	GELI	25	12.000	0.01200	0.03317	0.00663	0.55277	-0.0	0.10000
Habenaria obtusata	HAOB	25	20.000	0.00560	0.02002	0.00400	0.71488	-0.0	0.10000
Linnaea borealis	LIBO	25	4.000	0.00400	0.02000	0.00400	1.00000	-0.0	0.10000
Menyanthes trifoliata	METR	25	84.000	1.52000	1.38854	0.27771	0.18271	-0.0	5.00000
Mitella nuda	MINU	25	32.000	0.02840	0.04561	0.00912	0.32122	-0.0	0.10000
Orchis rotundifolia	ORRO	25	36.000	0.10040	0.22297	0.04459	0.44428	-0.0	1.00000
Parnassia palustris	PAPA	25	16.000	0.01240	0.03308	0.00662	0.53346	-0.0	0.10000
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Potentilla palustris	POPA	25	36.000	0.11200	0.28633	0.05727	0.35044	-0.0	1.00000
Pyrola secunda	PYSE	25	52.000	0.06800	0.10295	0.02059	0.30281	-0.0	0.50000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Rubus acaulis	RUAC	25	8.000	0.02800	0.10214	0.02043	0.72960	-0.0	0.50000
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Smilacina trifolia	SMTR	25	100.000	2.14000	1.38082	0.27616	0.12904	1.00000	7.00000
Spiranthes romanzoffiana	SPRO	25	48.000	0.08880	0.13738	0.02747	0.31074	-0.0	0.50000
Tofieldia glutinosa	TOGL	25	20.000	0.03600	0.10360	0.02072	0.57557	-0.0	0.50000
Calamagrostis canadensis	CACA	25	8.000	0.02040	0.09994	0.01999	0.97977	-0.0	0.50000
Carex diandra	CXDI	25	80.000	0.80800	0.90320	0.18064	0.22356	-0.0	4.00000
Carex gynocrates	CXGY	25	100.000	2.48000	1.29465	0.25893	0.10441	1.00000	5.00000
Carex interior	CXIN	25	28.000	0.08000	0.21794	0.04359	0.54486	-0.0	1.00000
Carex limosa	CXLI	25	36.000	0.16880	0.30399	0.06078	0.40888	-0.0	1.00000
Carex rostrata	CXRO	25	100.000	2.24000	1.47986	0.29597	0.13135	1.00000	7.00000
Triglochin maritima	TRMA	25	68.000	0.09840	0.13035	0.02607	0.27042	-0.0	0.50000
Equisetum fluviatile	EQFL	25	80.000	0.04200	0.09153	0.01831	0.43594	-0.0	0.50000
Equisetum scirpoides	EQSC	25	100.000	0.15320	0.15726	0.03145	0.20530	0.01000	0.50000
Muhlenbergia glomerata	MUGL	25	16.000	0.01240	0.03308	0.00662	0.53346	-0.0	0.10000
Arctostaphylos uva-ursi	ARUV	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Eriophorum gracile	ERGR	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Arenaria lateriflora	ARLA	25	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0
Epilobium palustre	EPPA	25	16.000	0.00160	0.00374	0.00075	0.46771	-0.0	0.01000

BASED ON 41 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2214
SHANNON-WEAVER INDEX OF DIVERSITY H' = 2.1933 NATURAL LOGARITHMS

41 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 49.8252

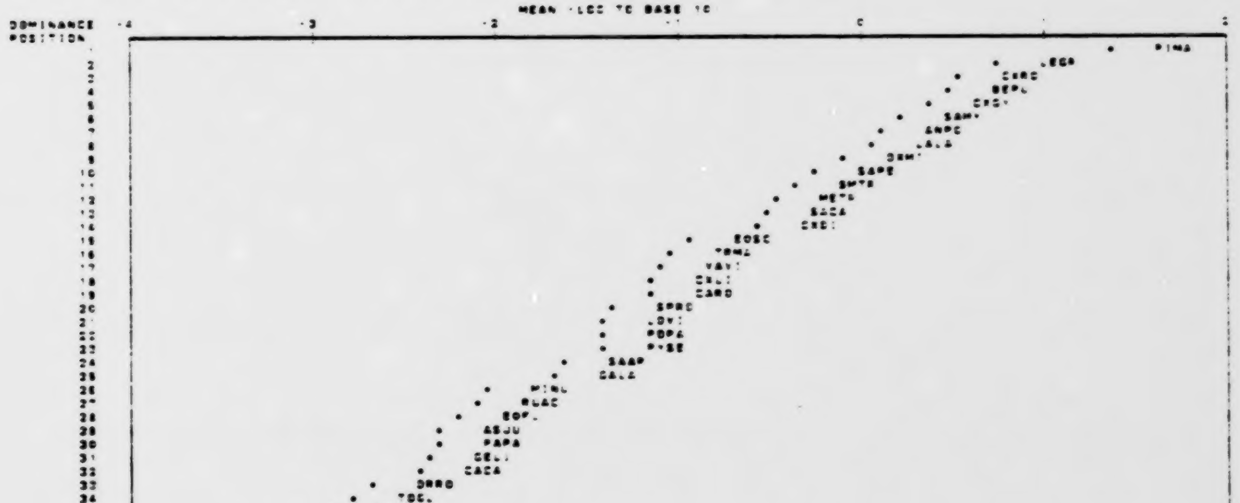


Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE ST82V (CREATION DATE = 04/17/83) Stand 7 (82), 610 Black Spruce 1982 Vascular Cover Data (5x5 m)
SUBFILE SE05

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	84.000	1.08000	2.10085	0.42020	0.38907	0.0	5.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	23.32000	6.64404	1.32881	0.05698	7.00000	35.00000
Andromeda polifolia	ANPO	25	100.000	1.24000	0.72342	0.14468	0.11668	0.50000	3.00000
Betula pumila	BEPU	25	100.000	2.82000	1.70098	0.34020	0.12064	0.50000	7.00000
Ledum groenlandicum	LEGR	25	80.000	5.16000	4.48776	0.89755	0.17394	0.0	14.00000
Lonicera villosa	LOVI	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Oxycoccus microcarpus	OXMI	25	84.000	0.77280	0.79319	0.15864	0.20526	0.0	3.00000
Salix arbusculoides	SAAR	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Salix bebbiana	SABE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix candida	SACA	25	68.000	0.28800	0.29200	0.05840	0.20278	0.0	1.00000
Salix glauca	SAGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix myrtillifolia	SAMY	25	60.000	1.56400	1.79534	0.35907	0.22958	0.0	5.00000
Salix pedicellaris	SAPE	25	96.000	0.52400	0.43039	0.08608	0.16427	0.0	2.00000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium vitis-idaea	VAVI	25	12.000	0.08000	0.23629	0.04726	0.59073	0.0	1.00000
Aster junciformis	ASJU	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Campanula rotundifolia	CARO	25	72.000	0.06640	0.10214	0.02043	0.30765	0.0	0.50000
Corallorrhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drosera rotundifolia	DRRO	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Galium labradoricum	GALA	25	56.000	0.02000	0.03594	0.00719	0.35940	0.0	0.10000
Geocaulon lividum	GELI	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Habenaria obtusata	HAOB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes trifoliata	METR	25	52.000	0.33240	0.37460	0.07492	0.22539	0.0	1.00000
Mitella nuda	MINU	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Orchis rotundifolia	ORRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parnassia palustris	PAPA	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla palustris	POPA	25	24.000	0.04000	0.10408	0.02082	0.52042	0.0	0.50000
Pyrola secunda	PYSE	25	60.000	0.03840	0.04732	0.00946	0.24645	0.0	0.10000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus acaulis	RUAC	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	72.000	0.45200	0.60285	0.12057	0.26675	0.0	2.00000
Spiranthes romanzoffiana	SPRO	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	1.00000
Tofieldia glutinosa	TOGL	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Calamagrostis canadensis	CACA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Carex diandra	CXDI	25	64.000	0.26840	0.44577	0.08915	0.33217	0.0	2.00000
Carex gynocrates	CXGY	25	100.000	2.26000	1.20000	0.24000	0.10619	0.50000	5.00000
Carex interior	CXIN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Carex limosa	CXLI	25	28.000	0.06920	0.21895	0.04379	0.63282	0.0	1.00000
Carex rostrata	CXRO	25	100.000	3.38000	1.25433	0.25087	0.07422	1.00000	6.00000
Triglochin maritima	TRMA	25	80.000	0.08680	0.13266	0.02653	0.30566	0.0	0.50000
Equisetum fluviatile	EQFL	25	60.000	0.00600	0.00500	0.00100	0.16667	0.0	0.01000
Equisetum scirpoides	EQSC	25	100.000	0.10680	0.12509	0.02502	0.23425	0.01000	0.50000
Muhlenbergia glomerata	MUGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arctostaphylos uva-ursi	ARUV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eriophorum gracile	ERGR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arenaria lateriflora	ARLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Epilobium palustre	EPPA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 37 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3092
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.7838 (NATURAL LOGARITHMS)

37 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 44.1004

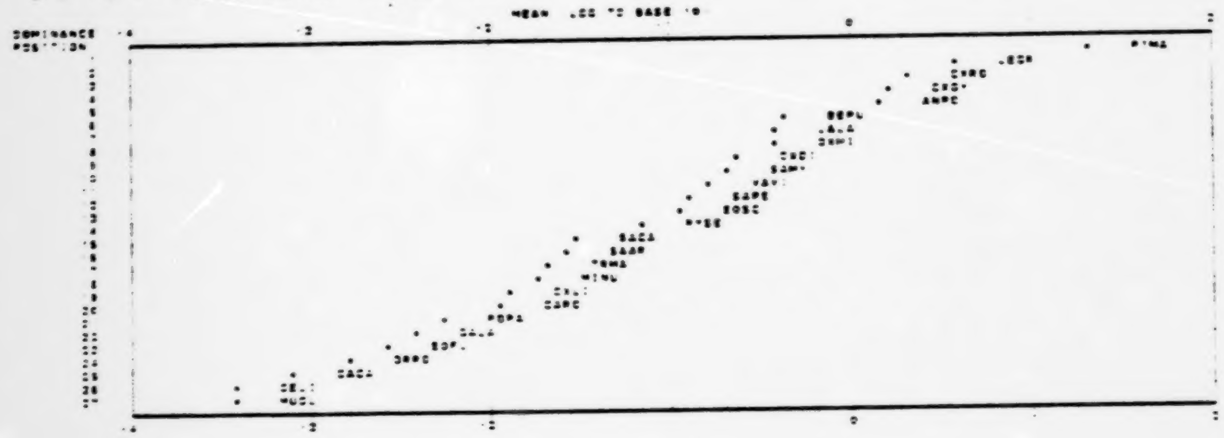


Hanna-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/[illegible]/83 PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE STB2V CREATION DATE = 04/[illegible]/83 Stand 7 [illegible] y old Black Spruce 1982 Vascular Cover Data (5x5 m)
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Larix laricina	LALA	25	84.000	0.40240	0.58839	0.11728	0.29145	0.0	2.00000
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	30.52000	8.16522	1.23305	0.05001	6.50000	38.00000
Andromeda polifolia	ANPO	25	100.000	1.48000	1.24833	0.24967	0.17114	0.50000	5.00000
Betula pumila	BEPU	25	56.000	0.45040	0.58627	0.11725	0.26033	0.0	2.00000
Ledum groenlandicum	LEGR	25	88.000	3.84400	3.11187	0.62387	0.16213	0.0	[illegible]
Lonicera villosa	LOVI	25	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]
Oxycoccus microcarpus	OXMI	25	76.000	0.35440	0.36138	0.07827	0.20831	0.0	1.00000
Salix arbusculoides	SAAR	25	12.000	0.02800	0.10214	0.02043	0.72960	0.0	0.50000
Salix bebbiana	SABE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix candida	SACA	25	24.000	0.03120	0.10185	0.02037	0.65283	0.0	0.50000
Salix glauca	SAGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix myrtillifolia	SAMY	25	48.000	0.20400	0.33971	0.06794	0.33304	0.0	1.00000
Salix pedicellaris	SAPE	25	68.000	0.13240	0.17382	0.03476	0.26430	0.0	0.50000
Vaccinium myrtilloides	VAMY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium vitis-idaea	VAVI	25	36.000	0.18400	0.44899	0.08979	0.54781	0.0	2.00000
Aster junciformis	ASJU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rotundifolia	CARO	25	72.000	0.01080	0.01713	0.00343	0.35428	0.0	0.10000
Corallorhiza trifida	COTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drosera rotundifolia	DRRO	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Galium labradoricum	GALA	25	40.000	0.00400	0.00500	0.00100	0.25000	0.0	0.01000
Geocaulon lividum	GELI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Habenaria obtusata	HAOB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Menyanthes trifoliata	METR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitella nuda	MINU	25	36.000	0.01800	0.03674	0.00735	0.40825	0.0	0.10000
Orchis rotundifolia	ORRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parnassia palustris	PAPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites sp	PESP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Potentilla palustris	POPA	25	20.000	0.00560	0.02002	0.00400	0.71468	0.0	0.10000
Pyrola secunda	PYSE	25	60.000	0.06560	0.10244	0.02049	0.31230	0.0	0.50000
Pyrola virens	PYVI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus acaulis	RUAC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix sp	SASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spiranthes romanzoffiana	SPRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tofieldia glutinosa	TOGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	4.000	0.00040	0.00277	0.00055	0.69222	0.0	0.01000
Carex diandra	CXDI	25	56.000	0.22840	0.27126	0.05425	0.23753	0.0	1.00000
Carex gynocrates	CXGY	25	100.000	1.63800	1.32880	0.26576	0.16245	0.10000	4.00000
Carex interior	CXIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex limosa	CXLI	25	24.000	0.01320	0.03266	0.00653	0.49471	0.0	0.10000
Carex rostrata	CXRO	25	100.000	2.10000	1.36184	0.27234	0.12968	0.50000	5.00000
Triglochin maritima	TRMA	25	60.000	0.02040	0.03576	0.00715	0.35053	0.0	0.10000
Equisetum fluviatile	EQFL	25	24.000	0.00280	0.00451	0.00093	0.32232	0.0	0.01000
Equisetum scirpoides	EQSC	25	92.000	0.11480	0.16115	0.03223	0.28403	0.0	0.50000
Muhlenbergia glomerata	MUGL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Arctostaphylos uva-ursi	ARUV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eriophorum gracile	ERGR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arenaria lateriflora	ARLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium palustre	EPPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 27 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4284
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.3828 (NATURAL LOGARITHMS)

27 OF THE 51 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 37.9148



Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S782V CREATION DATE = 04/17/83 Stand 7 (82 y old Black Spruce) 1982 Vascular Cover Data (5x5 m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	42.28000	4.86073	0.97215	0.02299	33.00000	48.00000
Tree Cover %	TREECV	25	100.000	20.52760	7.15658	1.43131	0.06973	4.10000	35.00999
Shrub Cover %	SHRBCV	25	100.000	4.08280	3.12160	0.62432	0.15287	0.12000	13.22000
Forb Cover %	FORBCV	25	76.000	0.02780	0.03643	0.00729	0.26400	0.0	0.13000
Graminoid Cover %	GRAMCV	25	100.000	0.94860	0.68771	0.13751	0.14495	0.20000	2.53000
Pteridophyte Cover %	PTERCV	25	92.000	0.02380	0.03414	0.00683	0.28934	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	1.60000	0.50000	0.10000	0.06250	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	5.48000	1.12250	0.22450	0.04097	3.00000	7.00000
Forb Species Richness	FORBRP	25	76.000	1.68000	1.18040	0.23608	0.14052	0.0	4.00000
Graminoid Species Richness	GRAMRP	25	100.000	2.60000	0.86603	0.17321	0.06662	2.00000	5.00000
Pteridophyte Species Richness	PTERRP	25	92.000	0.92000	0.27689	0.05538	0.06019	0.0	1.00000
Total Vascular Cover %	TOTLCV	25	100.000	25.59117	8.55528	1.71105	0.06686	9.23000	41.35999
Total Vascular Species Richness	TOTLRP	25	100.000	12.28000	1.72047	0.34409	0.02802	8.00000	15.00000

Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S782V CREATION DATE = 04/17/83 Stand 7 (82 y old Black Spruce) 1982 Vascular Cover Data (5x5 m
SUBFILE JUNE

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	24	100.000	50.95833	5.96946	1.21855	0.02397	39.00000	60.00000
Tree Cover %	TREECV	25	100.000	23.18480	6.35605	1.27121	0.05483	5.50000	32.00000
Shrub Cover %	SHRBCV	25	100.000	7.46800	4.27162	0.85436	0.11443	1.60000	20.20999
Forb Cover %	FORBCV	25	100.000	0.75280	0.48285	0.09657	0.12828	0.12000	1.82000
Graminoid Cover %	GRAMCV	25	100.000	4.53560	1.92223	0.38445	0.08476	1.60000	8.10000
Pteridophyte Cover %	PTERCV	25	100.000	0.05080	0.10058	0.02012	0.39605	0.01000	0.50000
Tree Species Richness	TREERP	25	100.000	1.80000	0.40825	0.08165	0.04536	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	6.24000	1.30000	0.26000	0.04167	3.00000	9.00000
Forb Species Richness	FORBRP	25	100.000	4.84000	1.31276	0.26255	0.05425	2.00000	7.00000
Graminoid Species Richness	GRAMRP	25	100.000	2.68000	0.74833	0.14967	0.05585	2.00000	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	1.60000	0.50000	0.10000	0.06250	1.00000	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	35.99997	8.07112	1.61422	0.04484	18.35999	51.33995
Total Vascular Species Richness	TOTLRP	25	100.000	17.16000	1.86369	0.37274	0.02172	14.00000	21.00000

Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE S782V CREATION DATE = 04/17/83 Stand 7 (82 y old Black Spruce) 1982 Vascular Cover Data (5x5 m
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm, degrees F	TEMP	25	100.000	50.96000	3.87814	0.77563	0.01522	45.00000	60.00000
Tree Cover %	TREECV	25	100.000	22.10040	5.07062	1.01412	0.05494	4.50000	30.50000
Shrub Cover %	SHRBCV	25	100.000	10.34000	4.54652	0.90930	0.08794	4.10000	18.59999
Forb Cover %	FORBCV	25	100.000	3.08440	1.26024	0.25205	0.08172	1.21000	7.31000
Graminoid Cover %	GRAMCV	25	100.000	4.27240	1.80813	0.36163	0.08464	1.50000	8.70000
Pteridophyte Cover %	PTERCV	25	100.000	0.07400	0.07036	0.01407	0.19015	0.01000	0.20000
Tree Species Richness	TREERP	25	100.000	1.80000	0.40825	0.08165	0.04536	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	6.52000	1.55778	0.31156	0.04778	3.00000	10.00000
Forb Species Richness	FORBRP	25	100.000	5.96000	1.20692	0.24138	0.04050	3.00000	8.00000
Graminoid Species Richness	GRAMRP	25	100.000	3.68000	1.28163	0.25633	0.06967	2.00000	6.00000
Pteridophyte Species Richness	PTERRP	25	100.000	1.64000	0.48990	0.09798	0.05974	1.00000	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	38.87117	9.73789	1.94758	0.04885	18.92999	58.92999
Total Vascular Species Richness	TOTLRP	25	100.000	19.60000	2.36291	0.47258	0.02411	15.00000	26.00000

Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 17
Statistics for Soil Temperature and Synthetic Variables
FILE ST82V CREATION DATE = 04/17/83 Stand 7 (82), Old Black Spruce 1982 Vascular Cover Data 5x5 m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	56.28000	2.18837	0.43767	0.00778	51.00000	60.00000
Tree Cover %	TREECV	25	100.000	22.84920	8.8849[illegible]	1.7698[illegible]	0.0815[illegible]	7.00000	34.00000
Shrub Cover %	SHRBCV	25	100.000	14.83200	4.48383	0.89679	0.06006	5.20000	30.00000
Forb Cover %	FORBCV	25	100.000	4.95280	1.84823	0.36965	0.0785[illegible]	1.80000	8.73000
Graminoid Cover %	GRAMCV	25	100.000	6.68600	2.46582	0.49317	0.07276	2.60000	11.60000
Pteridophyte Cover %	PTERCV	25	100.000	0.19520	0.21637	0.04327	0.22189	0.02000	1.00000
Tree Species Richness	TREERR	25	100.000	1.84000	0.37417	0.07483	0.04067	1.00000	2.00000
Shrub Species Richness	SHRBRR	25	100.000	6.64000	1.35031	0.27006	0.04067	4.00000	9.00000
Forb Species Richness	FORBRR	25	100.000	6.96000	1.79072	0.35814	0.05146	4.00000	10.00000
Graminoid Species Richness	GRAMRR	25	100.000	4.36000	0.99499	0.19900	0.04564	3.00000	6.00000
Pteridophyte Species Richness	PTERRR	25	100.000	1.80000	0.40825	0.08165	0.04536	1.00000	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	49.62817	7.3486[illegible]	1.46972	0.02962	36.63998	65.12997
Total Vascular Species Richness	TOTLRR	25	100.000	21.60000	2.12132	0.42426	0.01964	18.00000	25.00000

Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 18
Statistics for Soil Temperature and Synthetic Variables
FILE ST82V CREATION DATE = 04/17/83 Stand 7 (82), Old Black Spruce 1982 Vascular Cover Data 5x5 m
SUBFILE SEPT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	56.16000	2.42693	0.48539	0.00864	52.00000	61.00000
Tree Cover %	TREECV	25	100.000	24.40000	6.04876	1.20975	0.04958	8.00000	35.09999
Shrub Cover %	SHRBCV	25	100.000	12.5[illegible]280	4.76440	0.95288	0.07615	6.20000	21.69998
Forb Cover %	FORBCV	25	100.000	1.02520	0.6918[illegible]	0.13838	0.13498	0.22000	3.12000
Graminoid Cover %	GRAMCV	25	100.000	5.04880	1.8816[illegible]	0.37633	0.06122	3.01000	8.50000
Pteridophyte Cover %	PTERCV	25	100.000	0.[illegible]280	0.12304	0.0246[illegible]	0.21818	0.01000	0.50000
Tree Species Richness	TREERR	25	100.000	1.84000	0.37417	0.07483	0.04067	1.00000	2.00000
Shrub Species Richness	SHRBRR	25	100.000	6.32000	1.34536	0.26907	0.04257	3.00000	8.00000
Forb Species Richness	FORBRR	25	100.000	4.88000	1.36382	0.27276	0.05589	2.00000	8.00000
Graminoid Species Richness	GRAMRR	25	100.000	3.88000	0.88129	0.17626	0.04542	2.00000	5.00000
Pteridophyte Species Richness	PTERRR	25	100.000	1.60000	0.50000	0.10000	0.06250	1.00000	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	44.10037	9.72839	1.94767	0.04416	30.41998	60.44997
Total Vascular Species Richness	TOTLRR	25	100.000	18.52000	2.21961	0.44392	0.02397	12.00000	22.00000

Hondo-Slave Lake Stand 7 1982 Vascular Monthly Survey 04/17/83 PAGE 19
Statistics for Soil Temperature and Synthetic Variables
FILE ST82V CREATION DATE = 04/17/83 Stand 7 (82), Old Black Spruce 1982 Vascular Cover Data 5x5 m
SUBFILE OCTO

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	39.84000	3.23621	0.64725	0.01625	35.00000	46.00000
Tree Cover %	TREECV	25	100.000	20.92240	6.07728	1.21546	0.05809	8.00000	32.00000
Shrub Cover %	SHRBCV	25	100.000	6.75840	3.75490	0.75098	0.11099	0.61000	17.09999
Forb Cover %	FORBCV	25	100.000	0.50820	0.[illegible]825	0.03236	0.21677	0.01000	0.83000
Graminoid Cover %	GRAMCV	25	100.000	3.99920	2.4844[illegible]	0.49688	0.12425	0.61000	8.20000
Pteridophyte Cover %	PTERCV	25	92.000	0.11760	0.15034	0.03007	0.25566	0.0	0.50000
Tree Species Richness	TREERR	25	100.000	1.84000	0.37417	0.07483	0.04067	1.00000	2.00000
Shrub Species Richness	SHRBRR	25	100.000	5.44000	1.15304	0.23061	0.04239	3.00000	8.00000
Forb Species Richness	FORBRR	25	100.000	2.48000	1.08474	0.21695	0.08748	1.00000	5.00000
Graminoid Species Richness	GRAMRR	25	100.000	3.64000	0.70000	0.14000	0.03846	2.00000	5.00000
Pteridophyte Species Richness	PTERRR	25	92.000	1.20000	0.57735	0.11547	0.09623	0.0	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	31.91477	7.07458	1.41491	0.04433	13.25000	41.72993
Total Vascular Species Richness	TOTLRR	25	100.000	14.52000	1.1583[illegible]	0.23166	0.01672	12.00000	17.00000

SEADYN Project Hondo-Slave Lake Stand 8
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PIGL	PIMA	LALA	LEGR	LOIN	LOVI	OXMI	RILA	ROAC	SABE	SAMY	SAPS	VAMY	VAVI	ACMI	ASCI	CARO	COCA	DRRO	EPAN	GABO	GASP	GELI	LIBO
MA09																									
	0A	0	25.0	0	4.00	100	0	0	0	010	0	0	0	0	100	0	0	010	100	0	0	0	0	0	100
	0C	0	35.0	0	2.00	0	010	010	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	0
	0E	0	40.0	0	6.00	0	0	010	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	0G	0	40.0	0	5.00	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100
	0I	0	25.0	0	10.0	0	0	010	0	010	0	010	0	0	500	0	0	0	0	0	0	0	0	0	00
	2I	0	40.0	0	500	0	0	0	0	010	500	0	0	0	100	0	0	0	100	0	0	0	0	0	0
	2G	0	55.0	0	4.00	010	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	1.00
	2E	0	30.0	0	3.00	0	0	0	0	0	010	0	0	0	100	0	0	0	0	0	0	0	0	0	100
	2C	0	40.0	0	500	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	2A	0	30.0	0	500	0	0	010	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	4A	0	30.0	0	2.00	0	0	010	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	4C	0	35.0	0	4.00	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	4E	0	25.0	0	10.0	0	0	0	0	100	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	2.00
	4G	0	35.0	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	010
	4I	0	40.0	0	1.00	100	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	500
	6I	0	35.0	0	100	0	010	0	0	010	0	0	0	0	010	0	0	0	0	0	0	0	0	0	100
	6G	0	40.0	0	100	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	010
	6E	0	30.0	0	500	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	6C	0	20.0	0	10.0	0	0	010	0	0	0	0	0	0	2.00	0	0	0	0	0	0	0	0	0	0
	6A	0	30.0	500	15.0	0	0	010	0	0	0	0	0	0	3.00	0	0	0	0	0	0	0	0	0	0
	8A	0	20.0	1.00	15.0	0	0	010	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	8C	0	25.0	0	10.0	0	0	010	0	0	0	0	0	010	100	0	0	0	0	0	0	0	0	0	0
	8E	0	35.0	0	1.00	0	0	010	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	010
	8G	0	30.0	0	2.00	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	8I	0	25.0	0	2.00	0	0	010	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
Mean		0	32.6	060	4.37	008	001	004	0	008	020	001	0	000	385	0	0	000	008	0	0	0	0	0	197
JN11																									
	0A	0	15.0	0	2.00	2.00	100	0	0	0	0	500	0	100	100	0	0	0	500	0	0	0	0	0	500
	0C	0	25.0	0	2.00	0	0	0	0	0	0	100	0	0	500	0	0	0	0	0	0	010	0	0	0
	0E	0	25.0	0	5.00	0	0	010	0	0	0	100	0	0	1.00	0	0	0	0	0	0	0	0	0	0
	0G	0	30.0	0	3.00	0	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	500
	0I	0	20.0	0	6.00	500	0	0	0	500	0	2.00	0	0	500	0	0	0	0	0	0	0	0	0	1.00
	2I	0	25.0	0	2.00	0	0	0	0	500	0	0	0	0	100	0	0	0	500	0	0	0	0	100	100
	2G	0	25.0	0	4.00	2.00	100	0	0	100	0	500	0	0	500	0	010	010	0	0	0	0	0	0	4.00
	2E	0	25.0	0	3.00	0	100	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	100	1.00
	2C	0	30.0	0	1.00	0	0	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	0
	2A	0	25.0	0	500	0	0	0	0	0	0	500	0	0	100	0	0	0	0	0	0	0	0	100	0
	4A	0	25.0	0	2.00	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	4C	0	30.0	0	3.00	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	4E	0	15.0	0	5.00	0	0	0	0	500	0	1.00	0	100	500	0	010	0	0	0	0	0	0	0	1.00
	4G	0	25.0	0	500	0	010	0	0	0	0	010	0	100	100	0	0	0	0	0	0	0	0	010	500
	4I	0	30.0	0	1.00	4.00	0	0	0	100	0	010	0	0	100	0	0	0	0	0	0	010	0	010	500
	6I	0	30.0	0	500	0	0	0	0	010	0	0	0	100	100	0	0	0	0	0	0	010	0	0	100
	6G	0	40.0	0	100	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100
	6E	0	35.0	0	500	0	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	0
	6C	0	25.0	1.00	4.00	0	0	010	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	6A	0	25.0	2.00	10.0	0	0	010	0	0	0	0	0	0	2.00	0	0	0	0	0	0	0	0	0	0
	8A	0	25.0	4.00	8.00	0	0	100	0	0	0	0	0	0	1.00	0	0	0	0	010	0	0	0	0	500
	8C	0	30.0	0	5.00	0	0	010	0	0	0	500	0	0	1.00	0	0	0	0	0	0	0	0	0	0
	8E	0	30.0	0	2.00	0	0	010	0	0	0	500	0	0	100	0	0	0	0	0	0	0	0	0	100
	8G	0	40.0	0	500	0	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	0
	8I	0	30.0	0	1.00	0	0	0	0	0	0	010	0	010	500	0	0	0	0	0	0	0	0	0	0
Mean		0	27.6	280	2.94	340	012	006	0	064	0	246	0	016	412	0	001	000	040	000	0	001	0	012	396
JL10																									
	0A	0	16.0	0	5.00	3.00	100	0	0	100	500	100	0	0	100	0	0	010	500	0	0	010	0	0	1.00
	0C	0	30.0	0	2.00	0	010	0	0	0	0	500	0	0	500	0	0	0	0	0	0	010	0	0	0
	0E	0	40.0	0	12.0	0	0	010	0	0	0	100	0	0	500	0	0	0	0	010	0	0	0	0	0
	0G	0	40.0	0	7.00	0	0	0	0	500	0	100	0	0	1.00	0	0	0	0	0	0	0	0	0	100
	0I	0	25.0	0	20.0	1.00	500	010	0	1.00	0	2.00	0	0	500	0	0	010	0	0	0	0	0	0	2.00
	2I	0	40.0	0	1.00	0	0	0	0	1.00	2.00	0	0	0	100	0	0	0	1.00	0	0	0	0	010	0
	2G	0	35.0	0	3.00	3.00	500	0	0	1.00	0	2.00	0	0	500	0	0	010	500	0	0	0	0	100	2.00
	2E	0	30.0	0	4.00	0	0	0	0	0	1.00	0	0	0	500	0	0	0	0	0	010	0	0	0	100
	2C	0	40.0	0	1.00	0	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	0
	2A	0	30.0	0	1.00	0	0	010	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	100	0
	4A	0	35.0	1.00	5.00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	4C	0	35.0	0	13.0	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	4E	0	20.0	0	7.00	0	0	0	0	2.00	0	2.00	0	500	500	0	0	010	0	0	0	100	0	0	2.00
	4G	0	25.0	0	[illegible]	0	0	0	0	500	0	500	0	100	500	0	0	010	0	0	0	010	0	0	500
	4I	0	25.0	0	1.00	5.00	0	0	0	500	0	100	0	100	100	0	100	010	100	0	0	100	0	100	500
	6I	0	30.0	0	500	0	0	0	0	100	0	0	0	100	100	0	0	010	0	0	0	010	0	0	100
	6G	0	30.0	0	500	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100
	6E	0	30.0	0	500	0	0	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	0
	6C	0	25.0	0	5.00	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	6A	0	20.0	0	5.00	0	0	500	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	100
	8A	0	25.0	0	15.0	0	0	100	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0
	8C	0	25.0	0	6.00	0	500	100	100	0	0	500	0	0	500	0	0	0	0	0	0	0	0	0	0
	8E	0	30.0	0	2.00	0	010	0	0	0	0	500	0	0	500	0	0	0	0	0	0	0	0	0	100
	8G	0	25.0	0	1.00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	8I	0	20.0	0	2.00	0	0	0	0	0	0	0	0	100	500	0	0	0	0	0	0	0	0	0	0
Mean		0	29.1	040	4.82	480	065	033	004	268	140	384	0	036	444	0	004	003	084	000	000	010	0	012	424
AU09																									
	0A	0	20.0	0	4.00	3.00	0	0	0	0	0	500	0	100	100	0	0	100	500	0	0	100	0	100	500
	0C	0	25.0	0	1.00	0	100	0	0	0	0	500	0	0	500	0	0	0	0	0	0	010	0	0	0
	0E	0	20.0	0	10.0	0	0	100	0	0	0	500	0	0	500	0	0	0	0	0	0	0	0	0	0
	0G	0	25.0	0	5.00	0	0	0	0	100	0	100	0	0	100	0	0	0	0	0	0	0	0	0	100
	0I	0	20.0	0	15.0	1.00	100	0	0	2.00	0	1.00	0	0	500	0	0	0	0	0	0	0	0	0	2.00
	2I	0	30.0	0	2.00	0	0	0	0	2.00	0	0	0	0	100	0	0	010	1.00	0	0	0	0	100	100
	2G	0	30.0	0	4.00	1.00	100	0	0	100	0	2.00	0	0	500	0	0	010	500	0	0	100	0	0	4.00
	2E	0	25.0	0	4.00	100	0	0	0	100	0	500	0	0	500	0	0	0	0	0	0	0	0	010	500
	2C	0	30.0	0	500	0	100	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	0
	2A	0	25.0	0	1.00	0	0	0	0	0	0	500	0	0	500	0	0	0	0	0	0	0	0	100	0
	4A	0	20.0	0	3.00	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0
	4C	0	25.0	0	10.0	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	4E	0	20.0	0	10.0	0	0	0	0	4.00	0	3.00	0	500	500	0	100	010	0	0	0	010	0	0	3.00
	4G	0	35.0	0	1.00	0	0	0	0	100	0	100	0	010	100	0	0	010	0	0	0	0	0	010	100
	4I	0	25.0	0	2.00	4.00	0	0	0	500	0	100	0	0	010	0	0	010	0	0	0	100	0	0	1.00
	6I	0	30.0	0	1.00	0	0	0	0	0	0	0	0	010	010	0	0	010	0	0	0	0	0	0	100
	6G	0	45.0	0	500	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100
	6E	0	30.0	0	2.00	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	0	0
	6C	0	30.0	0	10.0	0	0	100	0	0	0	0	0	0	1.00	0	0	0	0	010	0	0	0	100	0
	6A	0	25.0	2.00	20.0	0	0	100	0	0	0	0	0	0	1.00	0	0	0	0	100	0	0	0	0	100
	8A	0	20.0	4.00	17.0	0	0	100	0	0	0	500	0	0	2.00	0	0	0	0	010	0	0	0	0	100
	8C	0	25.0	0	10.0	0	0	010	010	0	500	1.00	0	0	500	0	0	0	0	0	0	0	0	0	0
	8E	0	30.0	0	4.00	0	0	010	0	0	0	3.00	0	0	500	0	0	0	0	0	0	0	0	0	500

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PICL	PIMA	LALA	LEGR	LDIN	LOVI	OXMI	RILA	ROAC	SABE	SAMY	SAPS	VAMY	VAVI	ACMI	ASCI	CARC	COCA	DRRO	EPAN	GABO	GASP	GELI	LIBO
												010	0	0	100	0	0	0	0	0	0	0	0	0	010
	8C	0	40 0	0	3 00	0	0	0	0	0	0	010	0	010	500	0	0	0	0	0	0	0	0	0	0
	8:	0	30 0	0	4 00	0	0	0	0	0	0														
Mean		0	27 2	240	5 76	364	016	017	000	386	020	84	0	028	505	0	004	006	080	005	0	012	0	017	488
SE[illegible]										500	1 00	100	0	500	100	0	0	010	500	0	0	010	0	0	500
	04	0	18 0	0	5 00	3 00	100	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	0
	0C	0	30 0	010	2 00	0	0	0	0	0	0	100	0	0	1 00	0	0	0	0	010	0	0	0	0	0
	0E	0	35 0	0	15 0	0	0	010	0	0	0	010	0	0	1 00	0	0	0	0	0	0	0	0	0	010
	CC	0	50 0	0	10 0	0	0	0	0	0	0	1 00	0	0	500	0	0	0	0	0	500	0	0	0	1 00
	01	0	20 0	0	18 0	1 00	500	010	0	1 00	0	1 00	0	0	100	0	0	0	1 00	0	0	0	0	0	010
	2:	0	40 0	0	2 00	0	0	0	0	100	2 00	0	0	0	500	0	0	010	100	0	0	010	0	010	2 00
	2C	0	45 0	0	8 00	2 00	100	0	0	0	0	1 00	0	0	500	0	0	0	0	0	0	0	0	0	500
	2E	0	20 0	0	2 00	100	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	0
	2C	0	60 0	0	500	0	010	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	2A	0	30 0	0	500	0	0	010	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	0
	44	0	20 0	0	5 00	0	0	010	0	0	0	0	0	0	1 00	0	0	0	0	0	0	0	0	0	0
	4C	0	35 0	0	10 0	0	0	010	0	2 00	0	500	0	100	500	0	0	0	0	0	0	010	0	0	1 00
	4E	0	25 0	0	5 00	0	0	0	0	100	0	010	0	0	100	0	0	0	0	0	0	0	0	0	100
	4C	0	25 0	0	500	0	0	0	0	100	0	0	0	100	100	0	100	010	0	0	0	100	0	0	500
	4:	0	30 0	0	500	3 00	0	0	0	0	0	0	0	010	100	0	0	0	0	0	0	0	0	0	100
	6:	0	30 0	0	500	0	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	100
	6C	0	35 0	0	100	0	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	0
	6E	0	30 0	0	500	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	62	0	25 0	0	4 00	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	64	0	25 0	0	5 00	0	0	100	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	100
	84	0	20 0	0	[illegible]	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	8C	0	20 0	0	5 00	0	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	100
	8E	0	25 0	0	00	0	0	0	0	0	0	500	0	0	500	0	0	0	0	0	0	0	0	0	010
	5C	0	25 0	0	500	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	8.	0	20 0	0	[illegible]	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
Mean		0	28 7	000	4 82	384	028	010	0	152	120	148	0	028	400	0	004	001	084	000	020	005	0	000	241
OC[illegible]										0	0	010	0	0	100	0	0	0	00	0	0	0	0	0	500
	04	0	20 0	0	4 00	100	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	0
	0C	0	25 0	0	2 00	0	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	0
	0E	0	25 0	0	5 00	0	0	010	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0	100
	0C	0	25 0	0	4 00	0	0	0	0	0	0	100	0	0	500	0	0	0	0	0	0	0	0	0	1 00
	0:	0	20 0	0	8 00	010	0	010	0	100	0	500	0	0	100	0	0	1 00	0	0	0	0	0	0	100
	2:	0	25 0	0	00	0	0	0	0	010	1 00	0	0	0	500	0	010	0	0	0	0	0	0	0	2 00
	2C	0	25 0	0	2 00	0	0	0	0	0	0	010	0	0	500	0	0	0	0	0	0	0	0	0	500
	2E	0	20 0	0	2 00	0	0	0	0	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0
	2C	0	25 0	0	500	0	0	0	0	0	0	010	0	0	100	0	0	0	0	0	0	0	0	0	0
	2A	0	25 0	0	500	0	0	010	0	0	0	010	0	0	500	0	0	0	0	0	0	0	0	0	0
	44	0	25 0	0	2 00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	4C	0	25 0	0	5 00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	010	0	0	2 00
	4E	0	20 0	0	[illegible]	0	0	0	0	2 00	0	100	0	010	500	0	0	0	0	0	0	0	0	0	100
	4C	0	35 0	0	500	0	0	0	0	0	0	010	0	010	100	0	0	0	0	0	0	0 0	0	0	500
	4.	0	30 0	0	00	500	0	0	0	010	0	0	0	0	100	0	0	010	0	0	0	0	0	0	100
	6.	0	40 0	0	500	0	0	0	0	0	0	0	0	010	010	0	0	0	0	0	0	0	0	0	100
	6C	0	40 0	0	500	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	6E	0	25 0	0	00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	010	0	0	0	0	0
	6C	0	30 0	500	9 00	0	0	010	0	0	0	0	0	0	2 00	0	0	0	0	010	0	0	0	0	100
	64	0	25 0	1 00	15 0	0	0	100	0	0	0	0	0	0	2 00	0	0	0	0	010	0	0	0	0	0
	3.	0	20 0	2 00	20 0	0	0	500	0	0	0	100	0	0	2 00	0	0	0	0	0	0	0	0	0	0
	3C	0	35 0	0	10 0	0	0	010	0	0	0	010	0	0	00	0	0	0	0	0	0	0	0	0	100
	2E	0	30 0	0	4 00	0	010	010	0	0	0	100	0	0	00	0	0	0	0	0	0	0	0	0	010
	8C	0	45 0	0	2 00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
	2	0	20 0	0	2 00	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0
Mean		0	28 0	40	4 82	024	000	028	0	085	040	042	0	001	50	0	0	003	080	30	0	001	0	0	408

TRANSPACE REQUIRED [illegible]00 BYTES
0 TRANSFORMATIONS
9 RECODE VALUES + LAG VARIABLES
58 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED 0.45 SECONDS

```
45 REPORT      FORMAT = HDSPACE 1  BRKSPACE 0  FTSPACE 0  LIST
46             VARIABLES = PLOTNO 'Plot' 4  MINU TO ROSC  4  DRRO TO SORL  4
47             HEAD = 'SEADYN Project  Hondo-Slave Lake  Stand 1'
48             'Monthly Survey of Vascular Plant Community'
49             'Species Cover % values by 5x5 m Plots'
50             BREAK = SUBFILE 'Date'  4
51             SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2528 BYTES FOR THIS TASK

SEADYN Project Mongo-Slave Lake Stand I
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	MINU	PEPA	PESA	RUAC	RUCH	SMTR	CACA	CXAU	CXCA	CXEL	CXGY	CXRO	CXRU	ELIN	EGAR	EOSC	ORRO	EOFL
MAY85																			
	0A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0C	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0
	0E	0	0	0	0	0	0	0	0	010	0	100	0	0	0	0	010	0	0
	0G	0	0	0	0	0	0	0	010	0	0	010	0	0	0	0	010	0	0
	0I	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	010	0	0
	2I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2G	0	0	0	0	0	0	0	100	010	0	010	0	0	0	0	010	0	0
	2E	0	0	0	0	0	0	0	010	0	0	100	0	0	0	0	010	0	0
	2C	0	0	0	0	0	0	0	010	010	0	010	0	0	0	0	010	0	0
	2A	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0
	4A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	0
	4C	0	0	0	0	0	0	0	010	100	0	500	0	0	0	0	010	0	0
	4E	0	0	0	0	0	0	0	100	0	0	010	0	0	0	0	100	0	0
	4G	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	4I	0	0	0	0	0	0	0	010	0	0	010	0	0	0	0	0	0	0
	6I	0	0	0	0	0	0	0	010	010	0	0	0	0	010	0	010	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	0	0	010	0	0	010	0	0	0	0	010	0	0
	6C	0	0	0	0	0	0	0	010	010	0	100	0	0	0	0	010	0	0
	6A	100	0	0	0	0	0	0	0	0	0	500	0	0	0	0	100	0	0
	8A	010	0	0	0	0	0	0	0	010	0	500	010	0	0	0	100	0	0
	8C	010	0	0	0	0	0	0	0	010	0	100	0	0	0	0	100	0	0
	8E	010	0	0	0	0	0	0	010	500	0	100	0	0	0	0	010	0	0
	8G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	0
	8I	0	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0
Mean		005	0	0	0	0	0	0	012	028	0	083	000	0	000	0	021	0	0
JUN85																			
	0A	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	010	0	0
	0C	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0
	0E	0	0	0	0	0	100	0	0	100	0	100	0	0	0	0	100	0	0
	0G	0	0	0	0	0	100	0	0	500	0	100	0	0	0	0	010	0	0
	0I	0	100	0	010	0	0	0	0	100	0	0	0	0	010	0	010	0	0
	2I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	0
	2G	0	100	0	0	0	0	0	0	100	0	1 00	0	0	010	0	010	0	0
	2E	100	0	0	0	0	0	0	0	010	0	0	0	0	0	0	010	0	0
	2C	0	0	0	0	0	100	0	0	100	0	010	0	0	0	0	010	0	0
	2A	0	0	0	0	100	010	0	0	0	0	010	0	0	0	0	010	0	0
	4A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	010	010	0	0
	4C	0	100	0	0	0	0	0	0	500	0	100	0	0	0	0	010	0	0
	4E	0	0	0	0	0	0	0	1 00	100	0	100	0	0	100	0	010	0	0
	4G	0	010	0	0	0	0	0	010	0	0	0	0	0	0	0	010	0	0
	4I	0	010	0	0	0	0	0	100	0	0	0	0	0	0	0	010	0	0
	6I	0	0	0	0	0	0	010	0	0	0	0	0	0	010	0	010	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	010	0	010	0	0	0	0	0	0	0	010	0	0
	6C	0	0	0	0	010	0	0	0	100	0	100	0	0	0	010	010	0	0
	6A	010	0	0	0	500	0	0	0	0	0	2 00	100	0	0	0	100	100	010
	8A	100	0	500	0	500	0	0	0	100	0	1 00	0	0	0	0	100	100	0
	8C	010	0	0	0	100	0	0	0	500	0	1 00	0	0	0	0	100	0	0
	8E	010	010	010	0	0	010	0	0	1 00	0	500	0	0	0	0	100	0	0
	8G	0	0	0	0	0	0	0	0	010	0	0	0	0	0	010	100	0	0
	8I	0	0	0	0	0	0	0	0	100	0	0	0	0	0	010	010	0	0
Mean		005	[illegible]	020	000	048	[illegible]	000	045	133	0	241	004	0	005	002	031	008	000
JUL85																			
	0A	0	1 00	0	0	0	0	0	010	0	0	0	0	0	010	0	010	0	0
	0C	0	0	0	0	0	100	0	0	0	0	010	0	0	0	0	010	0	0
	0E	0	0	0	0	0	1 00	0	0	500	0	500	0	0	0	0	100	0	0
	0G	0	0	0	0	0	1 00	0	010	100	0	010	0	0	0	0	100	0	0
	0I	0	500	0	100	0	0	0	0	100	0	100	0	0	010	0	010	0	0
	2I	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	010	0	0
	2G	0	500	0	0	0	0	0	500	0	0	500	0	0	0	0	100	0	0
	2E	0	0	0	0	0	500	0	0	100	0	1 00	0	0	0	0	010	0	0
	2C	0	0	0	0	0	500	0	0	100	0	0	0	0	0	0	010	0	0
	2A	0	0	0	0	0	1 00	0	0	010	0	010	0	0	0	0	0	0	0
	4A	0	0	0	0	1 00	0	0	0	0	0	0	0	0	0	0	010	0	0
	4C	0	1 00	0	0	0	500	1 00	0	0	0	100	0	0	0	010	100	0	0
	4E	0	100	0	0	0	0	0	100	1 00	0	100	0	0	100	0	100	0	0
	4G	0	0	0	0	0	0	0	100	0	0	010	0	0	0	010	0	0	0
	4I	0	500	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0
	6I	010	0	0	0	0	0	0	010	0	0	0	0	0	010	0	010	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	500	0	0	0	0	100	0	0	0	0	010	0	0
	6C	0	0	0	0	3 00	0	0	0	500	0	1 00	0	0	0	0	010	0	0
	6A	500	0	5 00	0	20 0	2 00	0	0	010	0	1 00	0	0	0	100	100	500	0
	8A	100	0	5 00	0	10 0	100	0	0	500	0	2 00	010	0	0	010	010	100	0
	8C	100	0	500	0	1 00	0	0	0	3 00	0	500	0	0	0	0	010	0	0
	8E	010	100	500	0	0	500	0	0	500	0	100	0	0	0	100	100	0	0
	8G	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0	0	0
	8I	0	0	0	0	0	100	0	0	100	0	0	0	0	0	010	0	0	0
Mean		029	148	440	004	1 40	212	040	033	265	0	288	000	0	005	014	033	024	0
AUG85																			
	0A	0	100	0	0	0	0	0	010	0	0	0	0	0	100	0	0	0	0
	0C	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	010	0	0
	0E	0	0	0	0	0	2 00	0	0	500	0	100	0	0	0	0	010	0	0
	0G	0	0	0	0	0	2 00	0	100	500	0	0	0	0	0	0	010	0	0
	0I	0	500	0	100	0	0	0	0	500	0	0	0	0	100	0	0	0	0
	2I	0	0	0	0	0	0	0	0	010	0	0	0	0	010	0	0	0	0
	2G	0	1 00	0	0	0	0	0	3 00	100	0	100	0	0	010	0	010	0	0
	2E	0	500	0	0	0	500	0	100	100	0	500	0	0	0	0	010	0	0
	2C	0	0	0	0	0	500	0	0	100	0	100	0	0	0	0	010	0	0
	2A	0	0	0	0	0	1 00	0	0	100	0	100	0	0	0	0	010	0	0
	4A	0	0	0	0	500	0	0	0	0	0	0	0	0	0	010	010	0	0
	4C	0	2 00	0	0	0	100	0	100	1 00	0	1 00	0	0	0	0	010	0	0
	4E	0	1 00	0	0	0	0	0	0	100	0	500	1 00	0	100	0	010	0	0
	4G	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	100	0	0
	4I	0	500	0	0	0	0	0	100	0	0	100	0	0	0	0	010	0	0
	6I	0	0	0	0	0	0	0	010	010	0	0	0	0	010	0	0	0	0
	6G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	100	0	0	010	0	0	0	0	0	0	010	0	0
	6C	0	0	0	0	3 00	0	0	0	100	0	1 00	0	0	0	0	100	0	0
	6A	500	0	0	0	7 00	3 00	0	0	0	0	3 00	500	0	0	100	100	2 00	0
	8A	010	0	3 00	0	6 00	1 00	0	0	500	0	3 00	100	0	0	100	500	500	0
	8C	100	0	100	0	2 00	010	0	0	3 00	0	2 00	0	0	0	010	100	0	0
	8E	010	0	2 00	0	0	500	0	0	5 00	0	100	0	0	0	010	500	0	0

SEADYN Project [illegible] Stand 1
Monthly Survey of Vascular Plant Community
Species Cover % Values by 5x5 m Plots

Date	Plot	WINL	PEPA	PESA	RUAC	RUCH	SMTR	CACA	CXAL	CXCA	CXEL	CXGY	CXRO	CXRU	ELIN	EQAR	EQSC	ORRC	SCPL
	8C	0	100	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0
	81	0	0	0	0	0	500	0	0	500	0	0	0	0	0	0	010	0	0
Mean		025	228	204	004	740	468	0	127	489	0	464	084	0	012	009	081	100	0
SEPT	0A	0	100	0	0	0	0	0	010	0	0	0	0	0	100	0	0	0	0
	0C	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	010	0	0
	0E	0	0	0	0	0	500	0	0	500	0	500	0	0	0	0	010	0	0
	0C	0	0	0	0	0	100	0	0	100	0	010	0	0	0	0	100	0	0
	01	0	500	0	010	0	0	0	0	100	0	0	0	0	0	0	100	0	0
	21	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	010	0	0
	2C	0	500	0	0	0	0	0	100	500	0	0	0	0	010	0	100	0	0
	2E	0	100	0	0	0	100	0	0	500	0	500	0	0	0	0	010	0	0
	2C	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0
	2A	0	0	0	0	0	100	0	0	010	0	010	0	0	0	0	0	0	0
	4A	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	010	0	0
	4C	0	100	0	0	0	0	0	0	500	0	500	0	0	0	010	100	0	0
	4E	0	500	0	0	0	0	0	100	100	0	500	0	0	100	0	010	0	0
	4C	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	010	0	0
	41	010	100	0	0	0	0	0	100	0	0	010	0	0	0	0	010	0	0
	61	010	0	0	0	0	0	0	0	010	0	0	0	0	0	0	010	0	0
	6C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	100	0	0	0	0	100	0	0	0	0	010	0	0
	6C	0	0	0	0	200	0	0	0	100	0	500	0	0	0	0	010	0	0
	6A	0	0	0	0	300	500	0	0	0	0	500	100	0	0	0	100	0	0
	8A	100	0	500	0	200	010	0	0	500	0	100	010	0	0	010	100	0	0
	8C	100	0	100	0	500	0	0	0	500	0	500	0	0	0	0	100	0	0
	8E	010	0	500	0	0	100	0	0	300	0	0	0	0	0	010	500	0	0
	8C	0	500	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0
	81	0	0	0	0	0	100	0	0	100	0	0	0	0	0	0	0	0	0
Mean		009	132	024	000	220	164	0	081	285	0	185	004	0	008	001	082	0	0
OCT	0A	0	100	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0
	0C	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	0E	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	010	0	0
	0C	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	010	0	0
	01	0	010	0	0	0	0	0	0	100	0	0	0	0	0	0	010	0	0
	21	0	0	0	0	0	0	0	0	0	0	0	0	0	010	0	0	0	0
	2C	0	500	0	0	0	0	0	500	0	0	500	0	0	0	0	010	0	0
	2E	0	010	0	0	0	0	0	100	0	0	100	0	0	0	0	010	0	0
	2C	0	0	0	0	0	0	0	010	0	0	0	0	0	0	0	0	0	0
	2A	0	0	0	0	0	010	0	0	010	0	010	0	0	0	0	0	0	0
	4A	0	0	0	0	010	0	0	0	100	0	100	0	0	0	0	010	0	0
	4C	0	500	0	0	0	0	0	0	010	0	500	0	0	0	0	010	0	0
	4E	0	100	0	0	0	0	0	0	100	500	100	0	0	010	0	010	0	0
	4C	0	0	0	0	0	0	0	0	0	010	0	0	0	0	0	010	0	0
	41	0	010	0	0	0	0	0	0	0	100	100	0	0	0	0	010	0	0
	61	0	0	0	0	0	0	0	0	010	0	0	0	0	010	0	0	0	0
	6C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6E	0	0	0	0	0	0	0	0	010	010	010	0	0	0	0	010	0	0
	6C	0	0	0	0	500	0	0	0	100	0	500	0	0	0	0	010	0	0
	6A	500	0	0	0	100	010	0	0	0	0	100	100	0	0	0	100	0	0
	8A	100	0	500	0	100	0	0	0	0	0	100	100	0	0	0	100	0	0
	8C	0	0	0	0	010	010	0	0	500	0	100	0	0	0	0	100	0	0
	8E	0	010	0	0	0	0	0	0	200	0	500	0	0	0	0	100	0	0
	8C	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	010	0	0
	81	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0
Mean		024	050	020	0	101	001	0	025	134	025	34	008	0	002	0	021	0	0

SEADYN Project Mengo-Slave Lake Stand E
Monthly Survey of Vascular Plant Community,
Soil Temperature and Synthetic Variables by 5x5 m Plots

Date	Plot	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLCV	TOTLRP
MA09														
	0A	35.0	25.000	4.310	110	0.0	0.0	1	5	2	0	1	28.420	9
	0C	37.0	35.000	3.130	0.0	010	0.0	1	5	0	1	1	38.140	8
	0E	29.0	40.000	6.510	0.0	110	010	1	3	0	2	2	46.630	8
	0G	36.0	40.000	5.200	0.0	020	010	1	3	0	2	2	45.230	8
	0I	33.0	25.000	11.530	0.0	010	010	1	6	0	1	2	36.550	10
	2I	37.0	40.000	1.110	100	0.0	0.0	1	4	1	0	1	41.210	7
	2G	39.0	55.000	5.110	0.0	120	010	1	4	0	3	2	60.240	10
	2E	41.0	30.000	3.210	0.0	110	010	1	4	0	2	2	33.330	9
	2C	32.0	40.000	500	0.0	030	010	1	2	0	3	2	40.640	8
	2A	33.0	30.000	610	0.0	010	0.0	1	3	0	1	1	30.620	6
	4A	41.0	30.000	2.110	0.0	0.0	010	1	3	0	0	2	32.120	6
	4C	46.0	35.000	4.100	0.0	610	010	1	2	0	3	2	39.720	8
	4E	36.0	25.000	13.100	0.0	110	100	1	4	0	2	2	38.310	8
	4G	36.0	35.000	210	0.0	010	0.0	1	3	0	1	1	35.220	6
	4I	38.0	40.000	1.700	0.0	020	0.0	1	4	0	2	1	41.720	8
	6I	42.0	35.000	230	0.0	030	010	1	5	0	3	2	35.270	11
	6G	42.0	40.000	120	0.0	0.0	0.0	1	3	0	0	1	40.120	5
	6E	27.0	30.000	600	0.0	020	010	1	2	0	2	2	30.630	7
	6C	38.0	20.000	12.010	0.0	120	010	1	3	0	3	2	32.140	9
	6A	32.0	30.500	14.010	100	500	100	2	3	1	1	2	49.210	9
	8A	41.0	21.000	15.510	010	520	100	2	3	1	3	2	37.140	11
	8C	32.0	25.000	10.120	010	110	100	1	4	1	2	2	35.340	10
	8E	31.0	25.000	1.120	010	610	010	1	4	1	3	2	36.750	11
	8G	31.0	30.000	2.010	0.0	0.0	010	1	2	0	0	2	32.020	5
	8I	33.0	25.000	2.110	0.0	010	0.0	1	3	0	1	1	27.120	6
Mean		37.5	32.680	4.3752	01360	12360	02120	1.08	3.48	28	1.64	1.82	37.784	6.16
JN11														
	0A	56.0	15.000	6.300	600	010	010	1	7	1	1	2	21.620	12
	0C	56.0	25.000	2.600	110	0.0	0.0	1	2	2	0	1	27.710	7
	0E	48.0	25.000	6.110	100	200	100	1	4	1	2	2	31.510	10
	0G	53.0	30.000	3.700	100	600	010	1	4	1	2	2	34.410	10
	0I	54.0	20.000	10.600	110	110	010	1	6	2	2	2	30.730	12
	2I	56.0	25.000	2.700	600	0.0	010	1	4	2	0	2	28.310	8
	2G	55.0	25.000	11.200	120	110	010	1	7	3	3	2	37.640	16
	2E	54.0	25.000	4.700	200	010	010	1	5	2	1	2	28.920	11
	2C	52.0	30.000	1.600	100	110	010	1	3	1	2	2	31.620	9
	2A	53.0	25.000	1.100	210	010	010	1	3	2	1	2	26.330	10
	4A	53.0	25.000	3.100	0.0	0.0	020	1	2	0	0	3	28.120	6
	4C	48.0	30.000	3.100	100	600	010	1	2	1	2	2	33.810	8
	4E	50.0	15.000	8.100	010	1.300	010	1	6	1	4	2	24.420	14
	4G	48.0	25.000	220	020	010	010	1	6	2	1	2	26.260	12
	4I	49.0	30.000	5.710	030	100	010	1	6	3		2	35.850	13
	6I	44.0	30.000	610	010	020	010	1	5	1	2	2	30.650	11
	6G	45.0	40.000	300	0.0	0.0	0.0	1	2	0	0	1	40.300	5
	6E	47.0	35.000	700	010	010	010	1	2	1	1	2	35.730	8
	6C	49.0	35.000	4.510	010	200	020	2	3	1	2	3	40.740	11
	6A	49.0	27.000	12.010	610	2.100	110	2	3	3	2	4	41.830	14
	8A	48.0	25.000	8.600	1.210	1.100	100	2	4	5	2	3	41.010	16
	8C	48.0	30.000	5.510	110	1.600	100	1	4	2	2	2	38.220	11
	8E	45.0	30.000	2.710	040	1.500	100	1	5	4	2	2	34.350	14
	8G	52.0	40.000	610	0.0	010	110	1	3	0	1	2	40.730	6
	8I	61.0	30.000	1.520	0.0	100	020	1	4	0	1	2	31.640	5
Mean		51.2	27.880	4.4408	17240	42840	03280	1.12	4.20	1.88	1.48	2.28	32.954	10.68
JL10														
	0A	55.0	18.000	8.900	1.520	020	010	1	8	4	2	2	29.450	17
	0C	59.0	30.000	3.010	110	010	010	1	4	2	1	2	33.140	10
	0E	58.0	40.000	12.610	1.010	1.000	100	1	4	2	2	2	54.720	11
	0G	62.0	40.000	8.700	1.000	120	100	1	5	1	3	2	49.820	12
	0I	58.0	25.000	26.010	610	210	010	1	8	3	3	2	53.840	17
	2I	55.0	40.000	4.100	1.010	010	010	1	4	2	1	2	45.130	10
	2G	65.0	35.000	13.000	1.110	1.000	100	1	7	4	2	2	50.210	16
	2E	61.0	30.000	5.600	510	1.100	010	1	4	2	2	2	37.220	11
	2C	59.0	40.000	1.110	500	100	010	1	3	1	1	2	41.720	8
	2A	51.0	30.000	1.610	1.100	020	0.0	1	4	2	2	1	32.730	10
	4A	49.0	35.000	5.500	1.000	0.0	010	2	2	1	0	2	42.510	7
	4C	52.0	35.000	13.500	1.500	1.100	110	1	2	2	2	3	51.210	10
	4E	62.0	20.000	15.000	210	1.300	100	1	6	3	4	2	36.610	16
	4G	58.0	25.000	3.100	020	110	010	1	6	2	2	2	28.240	13
	4I	56.0	25.000	7.300	810	200	0.0	1	7	6	2	1	33.410	17
	6I	64.0	30.000	500	030	020	010	1	5	3	2	2	30.560	13
	6G	60.0	30.000	700	0.0	0.0	0.0	1	3	0	0	1	30.700	5
	6E	56.0	30.000	1.100	500	100	010	1	3	1	1	2	31.710	6
	6C	54.0	25.000	8.600	3.000	1.500	010	1	3	1	2	2	35.110	8
	6A	57.0	20.000	6.100	28.000	1.010	200	1	4	5	2	4	55.310	18
	8A	61.0	25.000	16.100	15.300	2.510	020	1	3	5	3	4	58.530	16
	8C	60.0	25.000	7.700	1.600	3.500	010	1	6	3	2	2	37.810	14
	8E	59.0	30.000	3.110	1.110	600	200	1	5	4	2	3	35.020	15
	8G	62.0	25.000	1.500	0.0	100	100	1	2	0	1	2	26.700	6
	8I	74.0	20.000	2.600	100	100	010	1	3	1	1	2	22.810	6
Mean		58.8	29.160	7.0984	2.4704	62860	04640	1.04	4.44	2.40	1.80	2.12	38.405	11.80
AU09														
	0A	60.0	20.000	8.200	800	110	0.0	1	6	5	2	1	29.210	15
	0C	64.0	25.000	2.100	510	0.0	010	1	4	2	0	2	27.620	9
	0E	62.0	20.000	11.100	2.000	600	010	1	4	1	2	2	33.710	10
	0G	52.0	25.000	5.400	2.000	600	010	1	5	1	2	2	32.010	11
	0I	67.0	20.000	21.600	600	600	0.0	1	7	2	2	1	42.800	13
	2I	63.0	30.000	4.200	1.110	020	0.0	1	4	2	2	1	35.320	11
	2G	60.0	30.000	11.700	1.610	3.210	010	1	7	4	4	2	46.530	18
	2E	60.0	25.000	5.700	1.010	700	010	1	6	3	3	2	32.420	15
	2C	60.0	30.000	1.200	500	200	010	1	4	1	2	2	31.910	10
	2A	60.0	25.000	2.000	1.100	200	010	1	3	2	2	2	28.310	10
	4A	62.0	20.000	4.000	600	0.0	020	1	2	1	0	3	24.620	7
	4C	64.0	25.000	10.600	2.100	2.100	010	1	2	2	3	2	39.710	10
	4E	62.0	20.000	21.000	1.120	1.700	010	1	6	4	4	2	43.830	17
	4G	64.0	35.000	1.410	020	010	100	1	6	2	1	2	36.540	12
	4I	66.0	25.000	7.810	610	200	010	1	6	3	2	2	33.430	14
	6I	67.0	30.000	1.120	010	030	0.0	1	4	1	3	1	31.160	10
	6G	68.0	45.000	700	0.0	0.0	0.0	1	3	0	0	1	45.700	5
	6E	64.0	30.000	2.200	100	010	010	1	3	1	1	2	32.320	8
	6C	66.0	30.000	11.100	3.110	1.100	100	1	3	3	2	2	45.410	11
	6A	64.0	27.000	21.200	12.600	3.600	200	2	4	5	2	4	64.600	17
	8A	63.0	24.000	20.700	10.520	3.600	600	2	5	6	3	4	59.420	20
	8C	66.0	25.000	12.020	2.210	5.000	110	1	6	4	2	3	44.340	16
	8E	65.0	30.000	8.010	2.510	5.100	510	1	5	3	2	3	46.130	14

SEADYN Project Nonda-Slave Lake Stand ?
Monthly Survey of Vascular Plant Community
Soil Temperature and Synthetic Variables by 5x5 m Plots

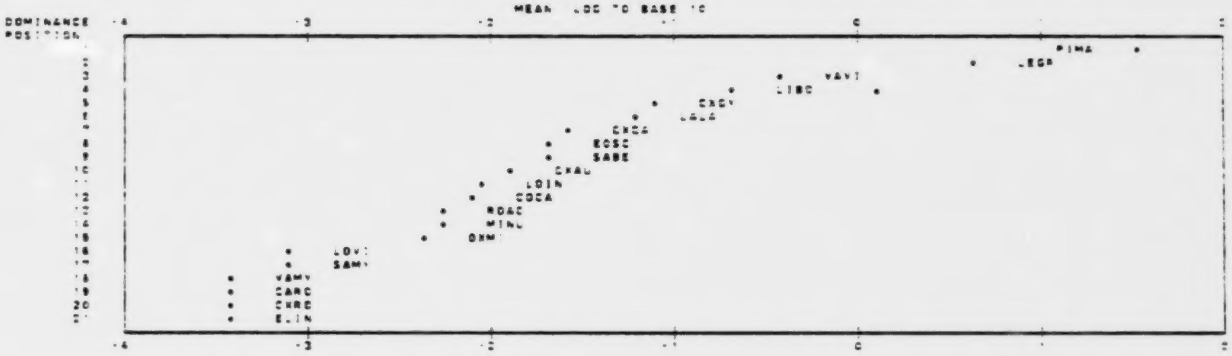
DATE	PLOT	TEMP	TREECV	SHRBCV	FORBCV	GRAMCV	PTERCV	TREERP	SHRBRP	FORBRP	GRAMRP	PTERRP	TOTLC	TOTLRP
	80	62.0	40.000	3.120	100	100	0.0	.	8	.	.	.	42.[illegible]	8
	81	67.0	30.000	4.520	500	500	0.10	.	4	.	.	2	35.520	9
Mean		62.1	27.440	6.0864	.8940	.1676	.07040	.04	4.52	2.44	.92	2.04	38.664	10.00
SE[illegible]														
	04	45.0	18.000	10.800	820	110	0.0	1	8	4	2	.	29.530	17
	06	48.0	30.010	2.800	100	0.0	010	2	2	.	0	2	32.720	4
	08	45.0	35.000	18.110	510	.000	010	.	4	2	2	2	52.630	.
	03	46.0	50.000	11.020	.000	110	100	.	4	.	2	2	62.220	10
	01	46.0	20.000	23.010	.010	100	100	.	8	2	.	2	44.220	15
	21	47.0	40.000	4.210	.000	010	010	.	5	.	.	2	45.220	10
	23	45.0	45.000	12.600	630	.510	100	.	6	5	3	2	60.840	17
	28	46.0	20.000	4.200	200	1.000	010	.	9	2	2	2	29.410	12
	20	45.0	40.000	610	100	100	0.0	.	3	1	.	.	40.810	7
	24	45.0	30.000	710	.000	020	0.0	.	6	.	2	.	31.730	9
	44	44.0	20.000	8.510	500	0.0	010	.	3	.	0	2	28.020	7
	40	45.0	35.000	11.010	.000	.000	110	.	3	.	2	2	48.120	10
	48	46.0	25.000	10.100	510	.760	010	.	6	2	4	2	37.320	15
	43	46.0	25.000	810	0.0	100	010	.	8	0	.	2	25.820	9
	41	45.0	30.000	4.300	320	110	010	.	6	5	2	2	34.740	6
	61	45.0	30.000	710	010	010	010	.	4	.	.	2	30.740	9
	60	45.0	35.000	210	0.0	0.0	0.0	.	4	0	0	.	35.210	6
	68	45.0	30.000	700	00	100	010	.	2	.	.	2	30.810	8
	63	46.0	25.000	4.600	2.000	800	010	.	2	.	2	2	32.210	9
	84	46.0	28.000	5.600	2.500	600	100	.	2	2	2	2	34.800	0
	34	46.0	20.000	17.600	7.110	.510	110	.	2	4	2	2	46.320	6
	80	44.0	20.000	8.600	700	.000	100	.	2	2	2	2	37.400	.
	88	46.0	28.000	700	610	2.000	810	.	4	2	.	2	30.820	12
	80	44.0	28.000	.010	500	010	0.0	.	2	.	.	.	26.820	7
	8	45.0	20.000	.600	100	100	0.0	.	2	.	.	.	21.700	6
Mean		45.7	26.720	6.2172	.82520	.55200	.05360	.04	4.24	.88	.56	.88	36.566	10.60
[illegible]														
	04	57.0	20.000	4.710	.100	010	0.0	.	8	2	.	.	28.620	0
	03	56.0	25.000	2.110	0.0	010	0.0	.	3	0	.	.	27.120	8
	08	52.0	25.000	5.210	0.0	200	010	.	4	2	2	2	30.620	9
	03	54.0	25.000	4.200	0.0	100	010	.	4	0	.	2	25.410	6
	0	5[illegible].0	20.000	9.120	0.0	100	010	.	7	.	.	2	28.240	12
	2	52.0	28.000	2.210	.000	010	0.0	.	8	.	.	.	31.220	8
	22	54.0	25.000	6.510	510	.000	010	.	4	2	2	2	33.730	.
	28	52.0	20.000	4.100	010	200	010	.	4	.	2	2	24.320	0
	22	50.0	28.000	610	0.0	0.0	0.0	.	2	2	.	.	28.621	8
	24	49.0	28.000	620	010	020	0.0	.	4	.	2	.	29.651	9
	44	48.0	25.000	3.600	010	200	010	.	2	.	2	2	26.720	8
	40	53.0	25.000	1.600	600	510	010	.	2	.	2	2	27.920	6
	48	50.0	20.000	17.610	110	710	010	.	8	2	4	2	38.440	15
	40	55.0	29.000	720	0.0	010	010	.	8	2	.	2	25.740	8
	4	55.0	30.000	2.110	030	200	010	.	8	3	2	2	32.250	2
	61	52.0	40.000	620	0.0	070	0.0	.	4	0	2	.	40.640	8
	60	5[illegible].0	40.000	610	0.0	0.0	0.0	.	2	0	0	.	40.810	9
	68	47.0	25.000	500	0.0	020	010	.	2	0	3	2	28.540	8
	80	46.0	20.520	11.010	510	600	010	2	2	2	2	2	42.630	.
	84	49.0	26.000	17.200	620	2.100	100	2	6	4	2	2	48.920	14
	84	52.0	22.000	22.600	610	2.100	100	2	6	4	2	2	48.920	14
	80	48.0	26.000	020	020	2.500	100	.	6	4	2	2	42.410	14
	68	54.0	20.000	4.220	010	2.500	100	.	8	2	2	2	44.640	.
	82	5[illegible].0	45.000	2.510	0.0	100	010	.	2	0	.	2	28.920	12
	41	52.0	30.000	2.500	0.0	100	0.0	.	2	0	.	.	47.620	7
	61	52.0	30.000	2.500	0.0	100	0.0	.	2	0	.	.	32.500	8
Mean		51.5	28.140	5.7532	.27640	.83360	.02120	.12	2.92	.12	.62	.88	34.721	9.52

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey 04/17/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S882V (CREATION DATE = 04/17/83) Stand 8 (28 y old Black Spruce) 1982 Vascular Cover Data 5x5m
SUBFILE MA09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	32.60000	7.92149	1.58430	0.04860	20.00000	55.00000
Larix laricina	LALA	25	8.000	0.06000	0.21985	0.04397	0.73283	0.0	1.00000
Ledum groenlandicum	LEGR	25	100.000	4.27200	4.82858	0.96572	0.2[illegible]	0.10000	15.00000
Lonicera involucrata	LOIN	25	12.000	0.00840	0.02784	0.00557	0.66[illegible]	0.0	0.10000
Lonicera villosa	LOVI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Oxycoccus microcarpus	OXMI	25	44.000	0.00440	0.00507	0.00101	0.23028	0.0	0.01000
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	20.000	0.00560	0.02002	0.00400	0.71[illegible]	0.0	0.10000
Salix bebbiana	SABE	25	8.000	0.02040	0.09994	0.01999	0.979[illegible]	0.0	0.50000
Salix myrtillifolia	SAMY	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Salix pseudomonticola	SAPS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Vaccinium vitis-idaea	VAVI	25	100.000	0.36520	0.69450	0.13890	0.38034	0.01000	3.00000
Achillea millefolium	ACMI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campanula rotundifolia	CARO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cornus canadensis	COCA	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Drosera rotundifolia	DRRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium boreale	GABO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium sp	GASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Linnaea borealis	LIBO	25	44.000	0.19720	0.47073	0.09415	0.47741	0.0	2.00000
Mitella nuda	MINU	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Petasites palmatus	PEPA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petasites sagittatus	PESA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus acaulis	RUAC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubus chamaemorus	RUCH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smilacina trifolia	SMTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex aurea	CXAU	25	48.000	0.01200	0.02692	0.00539	0.44871	0.0	0.10000
Carex canescens	CXCA	25	44.000	0.02760	0.10039	0.02008	0.72743	0.0	0.50000
Carex elegans	CXEL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex gynocrates	CXGY	25	64.000	0.08320	0.16[illegible]	0.03235	0.388[illegible]	0.0	0.80000
Carex rostrata	CXRO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex rupestris	CXRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Equisetum arvense	EQAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum scirpoides	EQSC	25	68.000	0.02120	0.03535	0.00708	0.3339[illegible]	0.0	0.10000
Orchis rotundifolia	ORRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum fluviatile	EQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 21 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.7576
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.4973 (NATURAL LOGARITHMS)

21 OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 37.793[illegible]

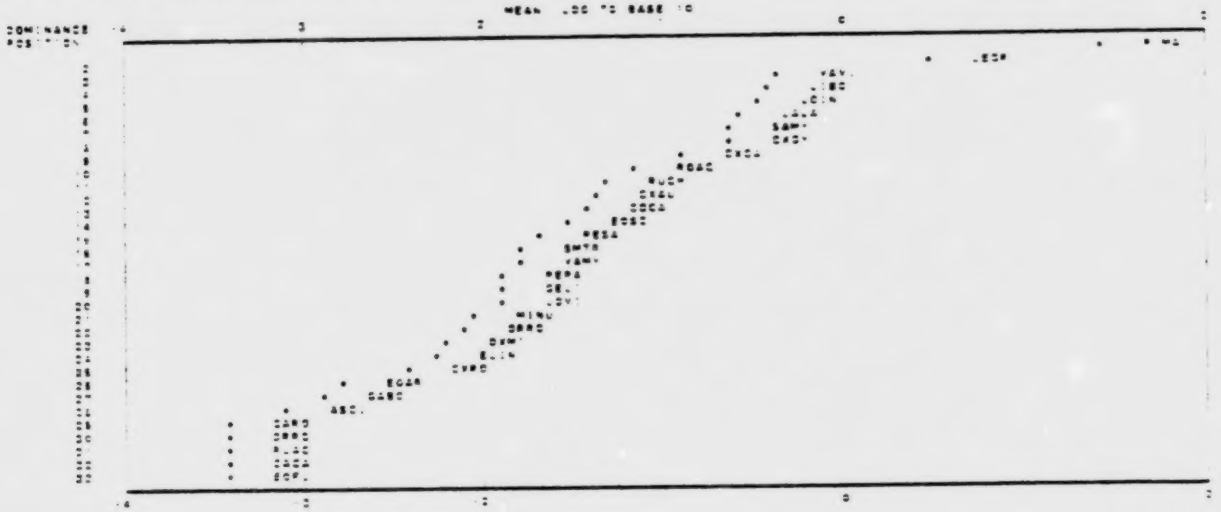


HONDO-SLAVE LAKE STAND 6 1982 VASCULAR MONTHLY SURVEY   04/[illegible]/83   PAGE [illegible]
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S883V   CREATION DATE = 04/[illegible]/83   STAND 6 [illegible] OLD BLACK SPRUCE 1982 VASCULAR COVER DATA [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	27.80000	[illegible]	[illegible]	0.0445[illegible]	5.00000	40.00000
Larix laricina	LALA	25	12.000	0.28000	0.89069	0.17814	0.636[illegible]	0.0	4.00000
Ledum groenlandicum	LEGR	25	100.000	2.84000	[illegible]	0.30262	[illegible]	1.00000	10.00000
Lonicera involucrata	LOIN	25	16.000	0.24000	0.54340	0.10868	0.55494	0.0	4.00000
Lonicera villosa	LOVI	25	16.000	0.01240	0.03304	0.00663	0.53341	0.0	0.10000
Oxycoccus microcarpus	OXMI	25	24.000	0.00800	0.02000	0.00400	0.6667	0.0	0.10000
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	24.000	0.08440	0.1849[illegible]	0.03299	0.46238	0.0	0.50000
Salix bebbiana	SABE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salix myrtillifolia	SAMY	25	56.000	0.26560	0.44732	0.08947	0.3643[illegible]	0.0	2.00000
Salix pseudomonticola	SAPS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	28.000	0.01640	0.03731	0.00746	0.45478	0.0	0.10000
Vaccinium vitis-idaea	VAVI	25	100.000	0.41200	0.45122	0.09024	0.21904	0.10000	2.00000
Achillea millefolium	ACMI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Campanula rotundifolia	CARO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cornus canadensis	COCA	25	8.000	0.04000	0.13844	0.02769	0.69222	0.0	0.50000
Drosera rotundifolia	DRRO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium boreale	GABO	25	12.000	0.00120	0.00332	0.00066	0.552[illegible]	0.0	0.01000
Galium sp	GASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	28.000	0.01280	0.03298	0.00660	0.5152[illegible]	0.0	0.10000
Linnaea borealis	LIBO	25	52.000	0.38600	0.8294[illegible]	0.1659[illegible]	0.4[illegible]	0.0	4.00000
Mitella nuda	MINU	25	20.000	0.00920	0.02753	0.0055[illegible]	0.59829	0.0	0.10000
Petasites palmatus	PEPA	25	24.000	0.01320	0.03286	0.00656	0.4981[illegible]	0.0	0.50000
Petasites sagittatus	PESA	25	8.000	0.02040	0.09994	0.01999	0.[illegible]	0.0	0.01000
Rubus acaulis	RUAC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.50000
Rubus chamaemorus	RUCH	25	20.000	0.04840	0.1388[illegible]	0.02772	1.17304	0.0	0.10000
Smilacina trifolia	SMTR	25	24.000	0.01720	0.03703	0.00741	0.43055	0.0	0.10000
Calamagrostis canadensis	CACA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.10000
Carex aurea	CXAU	25	16.000	0.04480	0.20000	0.04000	0.8928[illegible]	0.0	1.00000
Carex canescens	CXCA	25	56.000	0.13280	0.24060	0.04812	0.36229	0.0	1.00000
Carex elegans	CXEL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex gynocrates	CXGY	25	48.000	0.24080	0.49374	0.09875	0.41008	0.0	2.00000
Carex rostrata	CXRO	25	4.000	0.20400	0.32000	0.20400	1.00000	0.0	1.00000
Carex pubescens	CXPU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	20.000	0.00560	0.02003	0.00400	0.71488	0.0	0.10000
Equisetum arvense	EQAR	25	16.000	0.00160	0.00374	0.00075	0.4677[illegible]	0.0	0.01000
Equisetum scirpoides	EQSC	25	52.000	0.03080	0.03978	0.00796	0.25833	0.0	0.10000
Orchis rotundifolia	ORRO	25	8.000	0.20800	0.02769	0.00554	0.69222	0.0	0.10000
Equisetum fluviatile	EQFL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 33 POSITIVE MEANS   SIMPSON'S INDEX OF DOMINANCE CONCENTRATION = [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY = [illegible] NATURAL LOGARITHMS

33 OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 33.9544

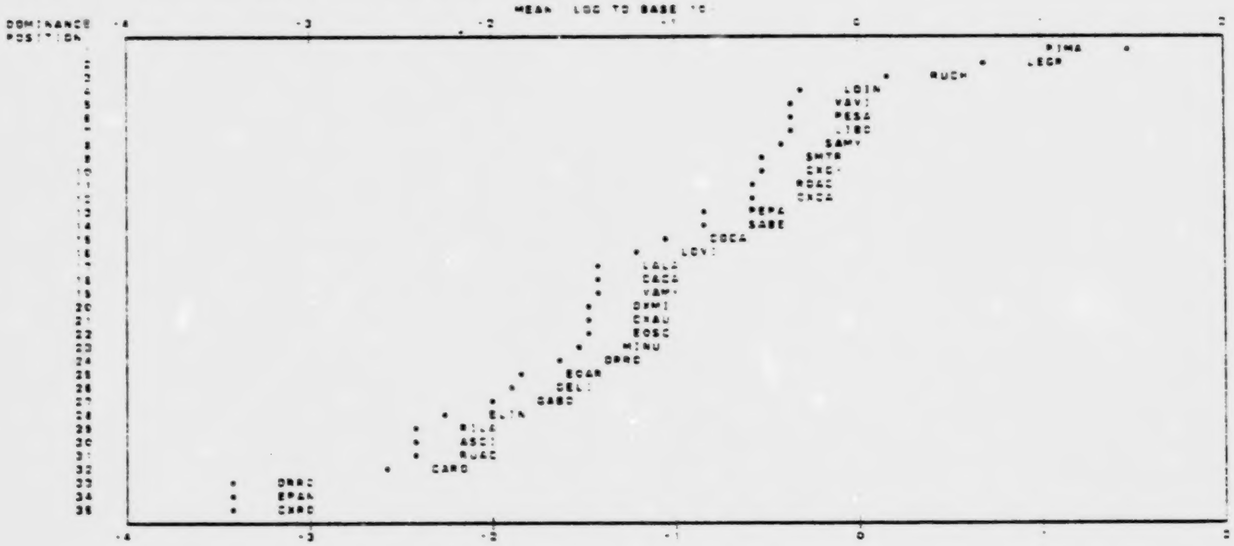


HONDO-SLAVE LAKE STAND 8 1982 VASCULAR MONTHLY SURVEY 04/17/83 PAGE 8
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S682V (CREATION DATE = 04/17/83) STAND 8 (126 Y OLD BLACK SPRUCE 1982 VASCULAR COVER DATA (5X5M
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	28.12000	6.69154	1.33831	0.04696	18.00000	40.00000
Larix laricina	LALA	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Ledum groenlandicum	LEGR	25	100.000	4.82000	5.14352	1.02870	0.21342	0.50000	20.00000
Lonicera involucrata	LOIN	25	16.000	0.48000	1.26227	0.25245	0.52595	0.0	5.00000
Lonicera villosa	LOVI	25	24.000	0.06480	0.16522	0.03305	0.50997	0.0	0.50000
Oxycoccus microcarpus	OXMI	25	28.000	0.03320	0.10262	0.02052	0.61820	0.0	0.50000
Ribes lacustre	RILA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Rosa acicularis	ROAC	25	36.000	0.25800	0.48852	0.09571	0.37234	0.0	2.00000
Salix bebbiana	SABE	25	12.000	0.14000	0.44535	0.08907	0.63621	0.0	2.00000
Salix myrtillifolia	SAMY	25	56.000	0.38440	0.77368	0.15474	0.40254	0.0	3.00000
Salix pseudomonticola	SAPS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	20.000	0.03600	0.10360	0.02072	0.57557	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	100.000	0.44400	0.23893	0.04789	0.10808	0.10000	1.00000
Achillea millefolium	ACMI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Campanula rotundifolia	CARO	25	28.000	0.00280	0.00458	0.00092	0.32733	0.0	0.01000
Cornus canadensis	COCA	25	16.000	0.08400	0.23573	0.04715	0.56125	0.0	1.00000
Drosera rotundifolia	DRRO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Epilobium angustifolium	EPAN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Galium boreale	GABO	25	24.000	0.00960	0.02748	0.00549	0.57206	0.0	0.10000
Galium sp	GASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	16.000	0.01240	0.03301	0.00660	0.53248	0.0	0.10000
Linnaea borealis	LIBO	25	48.000	0.42400	0.89129	0.17826	0.42042	0.0	3.00000
Mitella nuda	MINU	25	20.000	0.02880	0.10185	0.02039	0.70800	0.0	0.50000
Petasites palmatus	PEPA	25	28.000	0.14800	0.30430	0.06086	0.41122	0.0	1.00000
Petasites sagittatus	PESA	25	16.000	0.44000	1.37921	0.27584	0.62691	0.0	5.00000
Rubus acaulis	RUAC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Rubus chamaemorus	RUCH	25	20.000	1.40000	4.34748	0.87750	0.62678	0.0	20.00000
Smilacina trifolia	SMTR	25	44.000	0.31200	0.49356	0.09871	0.31638	0.0	2.00000
Calamagrostis canadensis	CACA	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Carex aurea	CXAU	25	28.000	0.03320	0.10262	0.02052	0.61820	0.0	0.50000
Carex canescens	CXCA	25	56.000	0.26480	0.62274	0.12455	0.47034	0.0	3.00000
Carex elegans	CXEL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex gynocrates	CXGY	25	64.000	0.28560	0.49037	0.09807	0.34340	0.0	2.00000
Carex rostrata	CXRO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Carex rupestris	CXRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	20.000	0.00560	0.02002	0.00400	0.71482	0.0	0.10000
Equisetum arvense	EQAR	25	28.000	0.01360	0.03277	0.00655	0.48186	0.0	0.10000
Equisetum scirpoides	EQSC	25	76.000	0.03280	0.04287	0.00857	0.26198	0.0	0.10000
Orchis rotundifolia	ORRO	25	8.000	0.02400	0.10116	0.02023	0.84300	0.0	0.50000
Equisetum fluviatile	EQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 35 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.5832
SHANNON-WEAVER INDEX OF DIVERSITY (H) = 1.1141 NATURAL LOGARITHMS

35 OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 35.4048



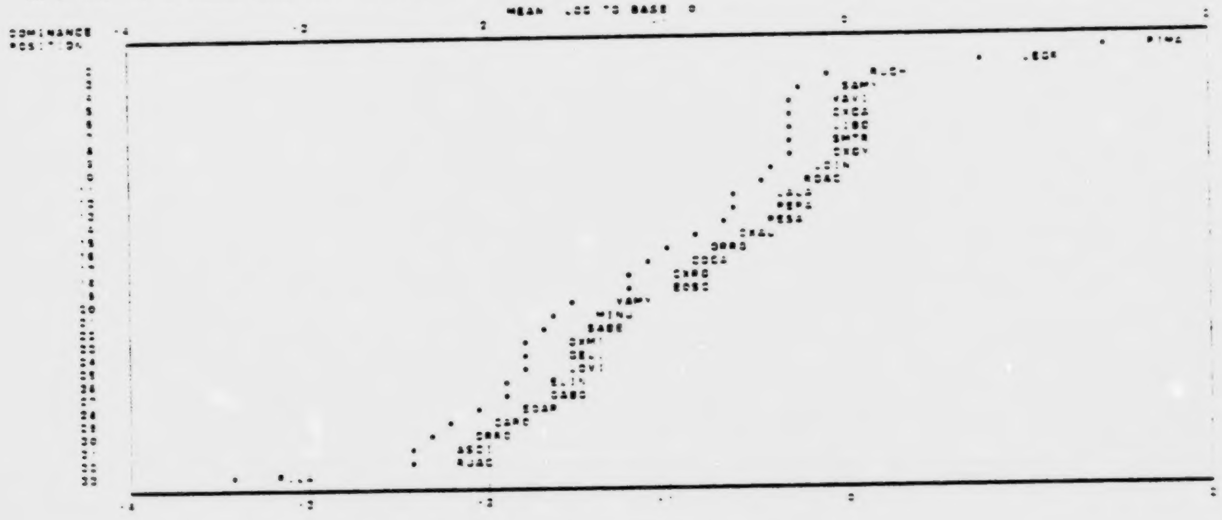
04 /17/83 PAGE 9

Wonder Slave Lake Stand 8 1982 Vascular Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand
FILE 8882V CREATION DATE = 04/17/83 Stand 8 (28), Old Black Spruce 1982 Vascular Cover Data SWSM
SUBFILE AUG9

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR / MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	27.20000	6.30476	1.26095	0.04636	20.00000	45.00000
Larix laricina	LALA	25	4.000	0.24000	0.87939	0.17588	0.73282	0.0	[illegible]
Ledum groenlandicum	LEGR	25	100.000	1.76000	1.49281	0.29853	0.16962	0.50000	[illegible]
Lonicera involucrata	LOIN	25	20.000	0.36400	0.88361	0.17674	0.48554	0.0	4.00000
Lonicera villosa	LOVI	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Oxycoccus microcarpus	OXMI	25	24.000	0.01880	0.03716	0.00743	0.44240	0.0	0.10000
Ribes lacustre	RILA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rosa acicularis	ROAC	25	32.000	0.35800	0.93812	0.18762	0.52763	0.0	5.00000
Salix bebbiana	SABE	25	4.000	0.32000	1.60000	0.32000	1.00000	0.0	8.00000
Salix myrtillifolia	SAMY	25	72.000	0.54080	0.87178	0.17436	0.32239	0.0	3.00000
Salix pseudomonticola	SAPS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	24.000	0.02820	0.10185	0.02037	0.55763	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	56.000	0.50480	0.60172	0.12034	0.23840	0.0	2.00000
Achillea millefolium	ACMI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Campanula rotundifolia	CARO	25	28.000	0.00540	0.01897	0.00379	0.62422	0.0	0.10000
Cornus canadensis	COCA	25	12.000	0.08000	0.23629	0.04726	0.59073	0.0	1.00000
Drosera rotundifolia	DRRO	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Epilobium angustifolium	EPAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Galium boreale	GABO	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Galium sp	GASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	24.000	0.01680	0.03716	0.00743	0.44240	0.0	0.10000
Linnaea borealis	LIBO	25	60.000	0.48840	1.01769	0.20354	0.41675	0.0	4.00000
Mitella nuda	MINU	25	16.000	0.02480	0.10100	0.02020	0.81452	0.0	0.50000
Petasites palmatus	PEPA	25	32.000	0.22800	0.47742	0.09548	0.41879	0.0	2.00000
Petasites sagittatus	PESA	25	12.000	0.20400	0.70821	0.14164	0.69431	0.0	3.00000
Rubus acaulis	RUAC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Rubus chamaemorus	RUCH	25	20.000	0.74000	1.87705	0.37541	0.50731	0.0	7.00000
Smilacina trifolia	SMTR	25	52.000	0.46840	0.78448	0.15690	0.33514	0.0	3.00000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex aurea	CXAU	25	32.000	0.12720	0.59755	0.11951	0.93956	0.0	3.00000
Carex canescens	CXCA	25	72.000	0.48920	1.12430	0.22486	0.45965	0.0	5.00000
Carex elegans	CXEL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex synocrates	CXDI	25	52.000	0.05400	0.08831	0.01878	0.32530	0.0	0.30000
Carex rostrata	CXRO	25	12.000	0.06400	0.21982	0.04382	0.68622	0.0	1.00000
Carex rupestris	CXRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	24.000	0.01320	0.03281	0.00656	0.49719	0.0	0.10000
Equisetum arvense	EQAR	25	20.000	0.00720	0.02752	0.00550	0.76431	0.0	0.10000
Equisetum scirpoides	EQSC	25	76.000	0.06120	0.13657	0.02731	0.44632	0.0	0.50000
Orchis rotundifolia	ORRO	25	8.000	0.10000	0.40825	0.08165	0.81650	0.0	2.00000
Equisetum fluviatile	EQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 33 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5.86
SHANNON-WEAVER INDEX OF DIVERSITY H = 2217 NATURAL LOGARITHMS

33 OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 34.8884

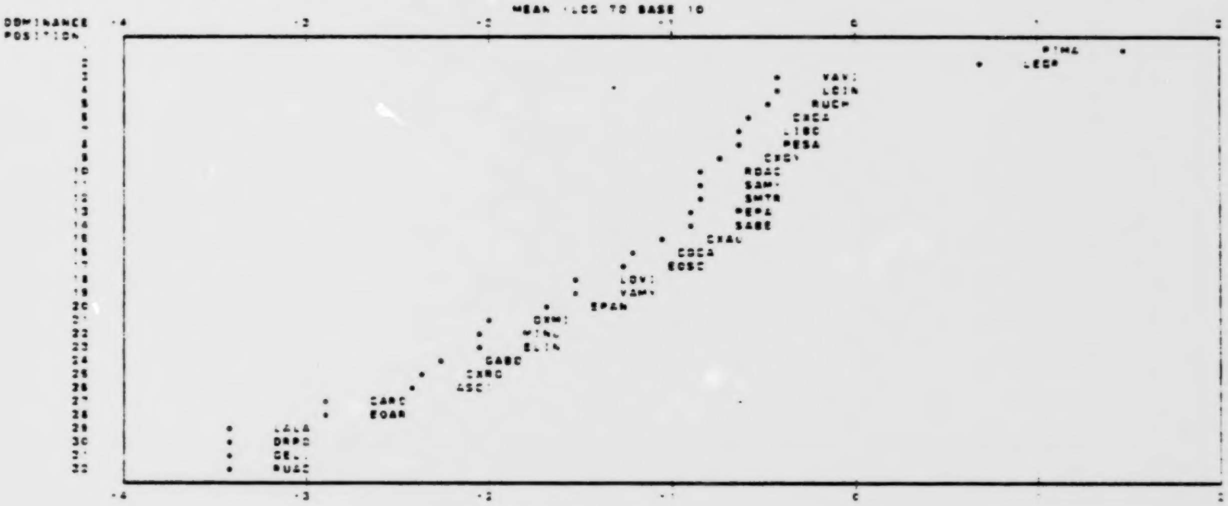


Hondo-Slave Lake Stand 6 1982 Vascular Monthly Survey 04/17/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S882V (CREATION DATE = 04/17/83) Stand 6 (28 y old Black Spruce) 1982 Vascular Cover Data SubM
SUBFILE SE11

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Picea mariana	PIMA	25	100.000	26.72000	8.54654	1.70931	0.06552	15.00000	50.00000
Larix laricina	LALA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ledum groenlandicum	LEGR	25	100.000	4.62400	5.37349	1.07470	0.23278	0.10000	18.00000
Lonicera involucrata	LOIN	25	20.000	0.38400	0.90584	0.18117	0.47177	0.0	3.00000
Lonicera villosa	LOVI	25	16.000	0.02640	0.10208	0.02041	0.77366	0.0	0.50000
Oxycoccus microcarpus	OXMI	25	28.000	0.01000	0.02739	0.00548	0.54772	0.0	0.10000
Ribes lacustre	RILA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosa acicularis	ROAC	25	24.000	0.15200	0.44264	0.08853	0.58243	0.0	2.00000
Salix bebbiana	SABE	25	8.000	0.12000	0.43970	0.08794	0.73283	0.0	2.00000
Salix myrtillifolia	SAMY	25	56.000	0.14820	0.28867	0.05783	0.38630	0.0	1.00000
Salix pseudomonticola	SAPS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccinium myrtilloides	VAMY	25	16.000	0.02840	0.10205	0.02041	0.71866	0.0	0.50000
Vaccinium vitis-idaea	VAVI	25	100.000	0.40000	0.29580	0.05916	0.14790	0.10000	1.00000
Achillea millefolium	ACMI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aster ciliolatus	ASCI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Campanula rotundifolia	CARO	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cornus canadensis	COCA	25	12.000	0.06400	0.21962	0.04392	0.68632	0.0	1.00000
Drosera rotundifolia	DRRO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Epilobium angustifolium	EPAN	25	4.000	0.02000	0.10000	0.02000	1.00000	0.0	0.50000
Galium boreale	GABO	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Galium sp	GASP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geocaulon lividum	GELI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Linnaea borealis	LIBO	25	56.000	0.24120	0.47196	0.09439	0.39134	0.0	2.00000
Mitella nuda	MINU	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Petasites palmatus	PEPA	25	32.000	0.13200	0.25775	0.05155	0.39053	0.0	1.00000
Petasites sagittatus	PESA	25	12.000	0.22400	1.00012	0.20002	0.89296	0.0	5.00000
Rubus acaulis	RUAC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rubus chamaemorus	RUCH	25	20.000	0.32000	0.78895	0.15780	0.49312	0.0	3.00000
Smilacina trifolia	SMTR	25	44.000	0.14440	0.29145	0.05829	0.40365	0.0	1.00000
Calamagrostis canadensis	CACA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex aurea	CXAU	25	20.000	0.08840	0.27574	0.05515	0.62384	0.0	1.00000
Carex canescens	CXCA	25	64.000	0.26520	0.60560	0.12112	0.45671	0.0	3.00000
Carex elegans	CXEL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carex gynocrates	CXGY	25	48.000	0.18520	0.28157	0.05631	0.30408	0.0	1.00000
Carex rostrata	CXRO	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Carex rupestris	CXRU	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Elymus innovatus	ELIN	25	16.000	0.00880	0.02759	0.00552	0.62699	0.0	0.10000
Equisetum arvense	EQAR	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Equisetum scirpoides	EQSC	25	76.000	0.05240	0.10256	0.02051	0.39148	0.0	0.50000
Orchis rotundifolia	ORRO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equisetum fluviatile	EQFL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 32 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.6346
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.8878 NATURAL LOGARITHMS

32 OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 36.5684

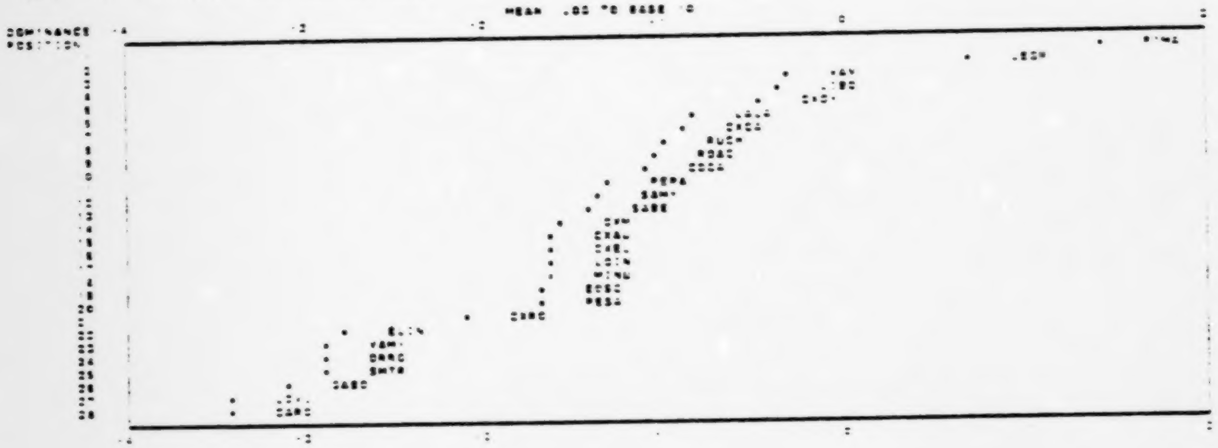


[illegible] Stand 1 [illegible] Vascular [illegible] Survey.
Descriptive Statistics for Each Species Variable and the Stand
FILE [illegible] CREATION DATE = [illegible] Stand 1 [illegible] Black Spruce [illegible] Vascular Cover Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Picea glauca	PIGL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Picea mariana	PIMA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Larix laricina	LALA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ledum groenlandicum	LEGR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lonicera involucrata	LOIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lonicera villosa	LOVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oxycoccus microcarpus	OXMI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ribes lacustre	RILA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rosa acicularis	ROAC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Salix bebbiana	SABE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Salix myrtillifolia	SAMY	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Salix pseudomonticola	SAPS	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Vaccinium myrtilloides	VAMY	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Vaccinium vitis-idaea	VAVI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Achillea millefolium	ACMI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aster ciliolatus	ASCI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Campanula rotundifolia	CARO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cornus canadensis	COCA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Drosera rotundifolia	DRRO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Epilobium angustifolium	EPAN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium boreale	GABO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Galium sp	GASP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Geocaulon lividum	GELI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Linnaea borealis	LIBO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mitella nuda	MINU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petasites palmatus	PEPA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Petasites sagittatus	PESA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus acaulis	RUAC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubus chamaemorus	RUCH	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Smilacina trifolia	SMTR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Calamagrostis canadensis	CACA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex aurea	CXAU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex canescens	CXCA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex elegans	CXEL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex gynocrates	CXGY	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex rostrata	CXRO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Carex rupestris	CXRU	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Elymus innovatus	ELIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum arvense	EQAR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum scirpoides	EQSC	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Orchis rotundifolia	ORRO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Equisetum fluviatile	EQFL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

BASED ON [illegible] POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY [illegible] NATURAL LOGARITHMS

[illegible] OF THE 42 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]



Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey 04/17/83 PAGE 13
Statistics for Soil Temperature and Synthetic Variables
FILE S882V (CREATION DATE = 04/17/83) Stand 8 (128 y old Black Spruce) 1982 Vascular Cover Data (5x5m)
SUBFILE MAY

LABEL	VARIABLE	N	FREC	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	37.48000	3.08282	0.61677	0.01648	32.00000	42.00000
Tree Cover %	TREECV	25	100.000	32.88000	7.85111	1.57022	0.04802	20.00000	55.00000
Shrub Cover %	SHRBCV	25	100.000	4.87520	5.27515	1.05503	0.21266	0.12000	16.00999
Forb Cover	FORBCV	25	24.000	0.01280	0.03402	0.00680	0.50029	0.0	0.11000
Graminoid Cover %	GRAMCV	25	80.000	0.12360	0.20035	0.04007	0.32419	0.0	0.81000
Pteridophyte Cover %	PTERCV	25	64.000	0.02120	0.03535	0.00707	0.33390	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	1.08000	0.27689	0.05538	0.05128	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	3.48000	1.04563	0.20913	0.06009	2.00000	5.00000
Forb Species Richness	FORBRP	25	24.000	0.28000	0.54160	0.10832	0.38686	0.0	2.00000
Graminoid Species Richness	GRAMRP	25	80.000	1.64000	1.11355	0.22271	0.13580	0.0	3.00000
Pteridophyte Species Richness	PTERRP	25	100.000	1.68000	0.47610	0.09522	0.05668	1.00000	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	37.78358	7.18379	1.43676	0.03802	27.11998	60.22987
Total Vascular Species Richness	TOTLRP	25	100.000	8.16000	1.81843	0.36368	0.04457	5.00000	11.00000

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey, 04/17/83 PAGE 14
Statistics for Soil Temperature and Synthetic Variables
FILE S882V (CREATION DATE = 04/17/83) Stand 8 (128 y old Black Spruce) 1982 Vascular Cover Data (5x5m)
SUBFILE JUN

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	51.24000	3.89744	0.77949	0.01521	44.00000	5[illegible].00000
Tree Cover %	TREECV	25	100.000	27.88000	6.15309	1.23061	0.04414	15.00000	40.00000
Shrub Cover %	SHRBCV	25	100.000	4.44080	3.55082	0.71016	0.15992	0.30000	12.01500
Forb Cover %	FORBCV	25	64.000	0.17240	0.27987	0.05585	0.32480	0.0	1.01000
Graminoid Cover %	GRAMCV	25	84.000	0.42840	0.62247	0.12449	0.29060	0.0	2.10000
Pteridophyte Cover %	PTERCV	25	92.000	0.03280	0.04078	0.00816	0.24863	0.0	0.11000
Tree Species Richness	TREERP	25	100.000	1.12000	0.33166	0.06633	0.05923	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	4.20000	1.47196	0.29439	0.07009	2.00000	7.00000
Forb Species Richness	FORBRP	25	84.000	1.88000	1.28183	0.25639	0.15201	0.0	5.00000
Graminoid Species Richness	GRAMRP	25	84.000	1.48000	0.96264	0.19253	0.13009	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	2.20000	0.64550	0.12910	0.05868	1.00000	4.00000
Total Vascular Cover %	TOTLCV	25	100.000	32.95437	5.66081	1.13216	0.03436	21.81956	41.82996
Total Vascular Species Richness	TOTLRP	25	100.000	10.88000	2.91147	0.58229	0.05452	5.00000	16.00000

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey, 04/17/83 PAGE 15
Statistics for Soil Temperature and Synthetic Variables
FILE S882V (CREATION DATE = 04/17/83) Stand 8 (128 y old Black Spruce) 1982 Vascular Cover Data (5x5m)
SUBFILE JULY

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm (degrees F)	TEMP	25	100.000	56.84000	4.86063	0.89813	0.01582	49.00000	74.00000
Tree Cover %	TREECV	25	100.000	29.16000	6.73102	1.34620	0.04617	14.00000	40.00000
Shrub Cover %	SHRBCV	25	100.000	7.08840	6.44304	1.28861	0.18154	0.70000	28.00888
Forb Cover %	FORBCV	25	92.000	2.47040	5.05433	1.21827	0.45235	0.0	22.30000
Graminoid Cover %	GRAMCV	25	92.000	0.62960	0.87874	0.17575	0.27914	0.0	3.50000
Pteridophyte Cover %	PTERCV	25	88.000	0.04640	0.06122	0.01225	0.26383	0.0	0.20000
Tree Species Richness	TREERP	25	100.000	1.04000	0.20000	0.04000	0.03846	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	4.44000	1.80462	0.36092	0.08128	2.00000	8.00000
Forb Species Richness	FORBRP	25	92.000	2.40000	1.58114	0.31623	0.13176	0.0	6.00000
Graminoid Species Richness	GRAMRP	25	92.000	1.80000	0.91287	0.18257	0.10143	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	2.12000	0.72572	0.14514	0.06846	1.00000	4.00000
Total Vascular Cover %	TOTLCV	25	100.000	39.40477	10.26327	2.05265	0.05212	22.60897	58.32998
Total Vascular Species Richness	TOTLRP	25	100.000	11.80000	3.75276	0.75055	0.06361	5.00000	17.00000

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey 04/17/83 PAGE 16
Statistics for Soil Temperature and Synthetic Variables
FILE S822 CREATION DATE = 04/17/83 Stand 8 128, Old Black Spruce 1982 Vascular Cover Data 5x5m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	62.84000	2.70204	0.54052	0.00860	58.00000	67.00000
Tree Cover %	TREECV	25	100.000	27.44000	6.14485	1.22893	0.04475	20.00000	45.00000
Shrub Cover %	SHRBCV	25	100.000	8.09640	6.82497	1.36499	0.16859	0.70000	31.59999
Forb Cover %	FORBCV	25	88.000	1.85400	2.64752	0.60950	0.32818	0.0	12.60000
Graminoid Cover %	GRAMCV	25	88.000	1.16760	1.61910	0.32382	0.27734	0.0	5.10000
Pteridophyte Cover %	PTERCV	25	76.000	0.37040	0.15410	0.03082	0.42777	0.0	0.80000
Tree Species Richness	TREERP	25	100.000	1.36000	0.27881	0.05538	0.05120	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	4.52000	1.44684	0.28937	0.06402	2.00000	7.00000
Forb Species Richness	FORBRP	25	96.000	2.44000	1.55877	0.31134	0.12760	0.0	6.00000
Graminoid Species Richness	GRAMRP	25	88.000	1.92000	1.07703	0.21541	0.11219	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	2.04000	0.84063	0.16813	0.08242	1.00000	4.00000
Total Vascular Cover %	TOTLCV	25	100.000	38.88838	9.61518	1.92304	0.04972	24.51999	64.49997
Total Vascular Species Richness	TOTLRP	25	100.000	12.00000	3.76388	0.75277	0.06273	5.00000	20.00000

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey 04/17/83 PAGE 17
Statistics for Soil Temperature and Synthetic Variables
FILE S822V CREATION DATE = 04/17/83 Stand 8 128, Old Black Spruce 1982 Vascular Cover Data 5x5m
SUBFILE SEP

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	48.72000	1.06145	0.21229	0.00484	44.00000	52.00000
Tree Cover %	TREECV	25	100.000	26.72040	3.54650	0.70932	0.05962	18.00000	52.00000
Shrub Cover %	SHRBCV	25	100.000	6.31720	6.22324	1.24565	0.19714	0.31000	22.29999
Forb Cover %	FORBCV	25	92.000	0.82533	1.48383	0.29778	0.32205	0.0	7.11001
Graminoid Cover %	GRAMCV	25	88.000	0.55200	0.75387	0.15077	0.27314	0.0	3.00000
Pteridophyte Cover %	PTERCV	25	76.000	0.05360	0.10440	0.02088	0.38962	0.0	0.51000
Tree Species Richness	TREERP	25	100.000	1.04000	0.20000	0.04000	0.03846	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	4.24000	1.16017	0.23203	0.05473	2.00000	7.00000
Forb Species Richness	FORBRP	25	92.000	1.88000	1.42361	0.28472	0.15145	0.0	5.00000
Graminoid Species Richness	GRAMRP	25	88.000	1.56000	0.95039	0.19008	0.12186	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	1.88000	0.60000	0.12000	0.06383	1.00000	3.00000
Total Vascular Cover %	TOTLCV	25	100.000	36.55638	10.90788	2.18156	0.05968	21.83998	62.22997
Total Vascular Species Richness	TOTLRP	25	100.000	10.60000	3.36650	0.67330	0.06352	5.00000	17.00000

Hondo-Slave Lake Stand 8 1982 Vascular Monthly Survey 04/17/83 PAGE 18
Statistics for Soil Temperature and Synthetic Variables
FILE S822V CREATION DATE = 04/17/83 Stand 8 128, Old Black Spruce 1982 Vascular Cover Data 5x5m
SUBFILE OCT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Soil temperature at 5-10 cm degrees F	TEMP	25	100.000	51.52000	2.75560	0.55112	0.01070	46.00000	57.00000
Tree Cover %	TREECV	25	100.000	25.40000	8.63763	1.38550	0.04457	20.00000	45.00000
Shrub Cover %	SHRBCV	25	96.000	8.75320	9.11885	1.82377	0.20844	0.51001	33.59999
Forb Cover %	FORBCV	25	60.000	0.27840	0.48825	0.09888	0.35796	0.0	[illegible]
Graminoid Cover %	GRAMCV	25	96.000	0.92360	0.82988	0.16597	0.17974	0.0	2.50000
Pteridophyte Cover %	PTERCV	25	68.000	0.02120	0.03529	0.00706	0.33298	0.0	0.10000
Tree Species Richness	TREERP	25	100.000	1.12000	0.33166	0.06633	0.05922	1.00000	2.00000
Shrub Species Richness	SHRBRP	25	100.000	3.92000	1.22035	0.24407	0.06226	2.00000	7.00000
Forb Species Richness	FORBRP	25	60.000	1.12000	1.23558	0.24712	0.22064	0.0	4.00000
Graminoid Species Richness	GRAMRP	25	96.000	1.68000	0.80208	0.16042	0.09549	0.0	4.00000
Pteridophyte Species Richness	PTERRP	25	100.000	1.68000	0.47610	0.09522	0.05668	1.00000	2.00000
Total Vascular Cover %	TOTLCV	25	100.000	36.72638	7.73776	1.54755	0.04456	24.31998	48.62997
Total Vascular Species Richness	TOTLRP	25	100.000	9.52000	2.78688	0.55714	0.05852	5.00000	15.00000

SEADYN Project, Hondo-Slave Lake, Stand [illegible]
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x7 m Plots

Date	Plot	BRASAL	CERPLA	DICPOL	HYLSPL	ORTFLA	PLESCH	POLJUN	POLPIL	PTICIL	PTICC	CETERI	CETNIV	CETPIN	CLACAF	CLACEN	CLACHL
MA27	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.100	0.0	.010	0.0	0.0	.100
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	1J	0.0	0.0	000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.100	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	1.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	1.000	0.0	0.0	2.000	0.0	0.0	0.0	.100	.010	0.0	.010	0.0	0.0	.010
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	.010	5.000	0.0	0.0	0.0	0.0	.010	0.0	.100	1.000
	5D	0.0	3.000	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010
	5F	0.0	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	1.000
	5H	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.010
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	.010	0.0	0.0	.100
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	9H	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.010
	9J	0.0	0.0	0.0	.010	0.0	.010	.010	0.0	0.0	.010	0.0	0.0	.010	0.0	0.0	.010
Mean		0	.12000	.12400	.00040	0	.40480	.12520	.32120	0	.00440	.05080	0	.01200	0	.00440	.09160
JN22	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.100	0.0	.010	0.0	0.0	.100
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	1.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0
	3J	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.100	.100	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	.100	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.100	.010	0.0	0.0	.010	0.0	0.0	0.0
	3B	0.0	0.0	.010	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	.100
	5D	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
	5H	0.0	0.0	.010	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	.010	0.0	.100
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.100
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.100
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
	9H	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.100
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
Mean		0	.08000	.04880	.00400	0	.41240	.04000	.24400	.00400	.00040	.10400	0	.01840	.00040	.00080	.03240
JL28	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.100	0.0	.010	0.0	0.0	.100
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	1J	0.0	0.0	.100	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	3J	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	3H	0.0	0.0	.100	.100	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	3F	0.0	0.0	.100	.010	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	3D	.100	0.0	1.000	0.0	0.0	5.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	.010
	3B	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	5B	0.0	0.0	0.0	0.0	0.0	0.0	.100	4.000	0.0	0.0	0.0	0.0	.100	0.0	1.000	1.000
	5D	0.0	5.000	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010
	5F	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
	5H	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	.100
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.100
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	1.000
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
	9H	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.100
	9J	0.0	0.0	0.0	.010	0.0	0.0	.010	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010
Mean		.00400	.20000	.05240	.00480	0	.44920	.04880	.28080	0	.00440	.06440	0	.01400	0	.04440	.10320
AU25	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.100	0.0	0.0	0.0	0.0	.100
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	.010	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	.010
	3J	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010	0.0	.100	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	.100	0.0	0.0	2.000	0.0	0.0	0.0	.100	.010	0.0	.100	0.0	.010	.010
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	.100	0.0	0.0	0.0	.100	.100
	5D	0.0	2.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.100
	5F	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	5H	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.100
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.100	.010
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.100
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 1x1 m Plots

Date	Plot	BRASAL	CERPUR	DICPOL	HYLSPL	ORTFLA	PLESCH	POLJUN	POLPIL	PTICIL	PTI[illegible]	CETERI	CETNIV	CETPIN	CLACAP	CLACEN	CLACHL
	9M	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	.100
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	.010
Mean		0	.12000	.00840	0	0	.57640	.08400	.22400	.00040	.00400	.09800	.00400	.01580	0	.00480	.05720
0010	1E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	.010
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.100	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	.100	0.0	0.0	7.000	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	.100	0.0
	3L	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	.100	.100	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	.100	0.0	0.0	2.000	0.0	0.0	0.0	.100	0.0	0.0	.010	0.0	.010	0.0
	3E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	5E	0.0	0.0	0.0	0.0	0.0	0.0	.010	.100	0.0	0.0	0.0	0.0	.010	0.0	.100	1.000
	5D	0.0	5.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	5M	0.0	0.0	0.0	0.0	0.0	.010	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.100
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	7E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010
	9E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.010
	9L	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	.010
Mean		0	.20000	.01600	.00800	0	.48520	.04440	.00400	0	.00400	.05720	.00400	.04440	0	.01320	.04800

TRANSPACE REQUIRED 800 BYTES
8 TRANSFORMATIONS
0 RECODE VALUES + LAG VARIABLES
48 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED 0.22 SECONDS

```
44 REPORT      FORMAT = HDSPACE 1, BRKSPACE 0, FTSPACE 0, LIST
45             VARIABLES = PLOTNO 'Plot' (4) CLACOC TO PERFUL (6)
46             HEAD = 'SEADYN Project Hondo-Slave Lake Stand 1'
47             'Monthly Survey of Bryophyte and Lichen Community'
48             'Species Cover % Values By 1x1 m Plots'
49             BREAK = SUBFILE 'Date' (4)
50             SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES [illegible] BYTES FOR THIS TASK

SEADYN Project, Mondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 7x 7 m Plots

Date	Plot	CLACOC	CLACON	CLACRP	CLACRT	CLAFIM	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSUL
MA07	1B	010	0 0	0 0	010	0 0	0 0	010	15 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	0 0	100	0 0	0 0	0 0	0 0	0 0	100
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	010	100	25 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	100	010	0 0	0 0	0 0	0 0	100	35 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	010	0 0	0 0	0 0	0 0	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	010	25 000	100	0 0	010	0 0	0 0	0 0	0 0	0 0
	3B	010	0 0	0 0	0 0	010	0 0	0 0	85 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	100	0 0	010	0 0	4 000	0 0	100	010	010	0 0	0 0	0 0	0 0
	5D	100	0 0	0 0	010	0 0	0 0	100	55 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	010	0 0	0 0	1 000	30 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	5 000	0 0	0 0	0 0	0 0	1 000	100	10 000	010	0 0	0 0	0 0	0 0	0 0	010	0 0
	5J	010	010	0 0	010	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	100	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	010	0 0	010	0 0	85 000	100	100	0 0	0 0	0 0	0 0	0 0	0 0
	7F	100	0 0	0 0	0 0	0 0	0 0	0 0	55 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	40 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	100	0 0	0 0	010	60 000	100	010	0 0	1 000	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	010	30 000	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	010	1 000	010	010	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	010	5 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	010	70 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		21720	00080	00040	01000	00040	04120	06240	37 080	28600	05280	00120	08080	0	0	00040	00400
JN22	1B	100	0 0	0 0	0 0	0 0	0 0	010	20 000	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	010	0 0	7 000	0 0	1 000	0 0	0 0	0 0	0 0	0 0	1 000
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	100	100	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	1 000	100	40 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	90 000	1 000	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	100	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	1 000	0 0	100	100	7 000	100	0 0	010	0 0	0 0	0 0	0 0	0 0
	5D	010	0 0	0 0	0 0	0 0	010	100	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	1 000	30 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	2 000	0 0	0 0	100	0 0	1 000	100	6 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	010	010	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	7J	0 0	0 0	010	0 0	0 0	0 0	0 0	20 000	100	100	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	100	0 0	010	0 0	85 000	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0
	7F	100	010	0 0	0 0	0 0	010	0 0	65 000	1 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	50 000	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0
	7B	100	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	100	0 0	1 000	0 0	0 0	010	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	010	80 000	1 000	0 0	0 0	0 0	0 0	0 0	010	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 000	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	90 000	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	010	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	1 000	100	0 0	0 0	0 0	0 0	0 0	0 0
Mean		09640	00080	00040	04840	00040	08960	06080	38 080	23240	10520	00040	08400	0	0	00080	04400
JL28	1B	100	0 0	0 0	100	0 0	0 0	100	25 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	100	100	10 000	100	0 0	0 0	0 0	0 0	0 0	0 0	1 000
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	6 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	100	100	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	010	0 0	0 0	0 0	1 000	100	40 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	1 000	0 0	0 0	2 000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	010	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	010	100	35 000	1 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	1 000	0 0	0 0	1 000	6 000	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0
	5D	100	0 0	0 0	010	0 0	0 0	0 0	50 000	100	100	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	100	35 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	2 000	0 0	0 0	1 000	0 0	2 000	0 0	6 000	100	010	0 0	0 0	0 0	0 0	010	0 0
	5J	010	0 0	0 0	010	0 0	0 0	0 0	1 000	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	100	010	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	010	0 0	010	0 0	90 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	100	0 0	0 0	0 0	0 0	0 0	100	45 000	1 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	010	40 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	1 000	0 0	0 0	010	0 0	0 0	010	85 000	100	100	0 0	1 000	0 0	0 0	010	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	010	75 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 000	100	010	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	100	90 000	100	1 000	100	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	100	010	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		17640	00040	0	08560	0	12880	07360	30 800	42000	06200	00400	12000	0	0	00080	04000
AU25	1B	010	0 0	0 0	010	0 0	0 0	0 0	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	010	100	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	010	5 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	010	20 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	100	100	35 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	0 0	0 0	100	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	100	30 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	010	0 0	0 0	0 0	0 0	0 0	75 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	2 000	0 0	0 0	100	0 0	100	010	5 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	100	40 000	100	0 0	010	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	010	0 0	0 0	100	30 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	5 000	0 0	0 0	100	0 0	1 000	0 0	10 000	100	0 0	0 0	0 0	0 0	0 0	010	0 0
	5J	0 0	010	0 0	010	0 0	0 0	0 0	2 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	010	0 0	010	0 0	80 000	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	7F	100	0 0	0 0	0 0	0 0	0 0	0 0	60 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	50 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	100	0 0	0 0	010	60 000	100	0 0	0 0	100	0 0	0 0	010	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	010	80 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	100	80 000	010	0 0	010	0 0	0 0	0 0	0 0	0 0

SEADYN Project Mongo-Slave Lake Stand
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACOC	CLACON	CLACRP	CLACRY	CLAFIM	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSUL
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		25440	00050	0	01360	0	04440	02200	37 120	56200	00440	00056	00400	0	0	00055	0
0210	1B	0 0	0 0	0 0	010	0 0	0 0	100	15 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	010	10 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	010	010	15 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	100	100	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	100	0 0	0 0	000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	010	010	20 000	100	0 0	0 0	010	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	100	0 0	100	100	5 000	100	0 0	0 0	010	0 0	0 0	0 0	0 0
	5D	010	0 0	0 0	0 0	0 0	100	010	40 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	010	0 0	0 0	0 0	0 0	0 0	010	30 000	010	0 0	010	0 0	0 0	0 0	010	0 0
	5H	000	0 0	0 0	1 000	0 0	300	0 0	5 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	010	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	010	0 0	010	010	40 000	010	0 0	0 0	100	0 0	0 0	0 0	0 0
	7F	010	0 0	0 0	010	0 0	010	010	40 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	100	0 0	0 0	100	0 0	0 0	0 0	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	60 000	100	0 0	0 0	000	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	010	50 000	300	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	10 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	100	55 000	100	100	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	55 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		04925	0	0	04960	0	05320	01920	33 640	05640	00400	00040	05120	0	0	00040	0

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	STEALP	CLACOR	PTIPUL	DICSCO
MA27									
	1B	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	010	010	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	30 000	0 0	0 0	0 0	100	0 0	0 0
	3D	0 0	2 000	0 0	0 0	0 0	010	010	0 0
	3B	0 0	1 500	0 0	0 0	1 000	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	5D	0 0	3 000	0 0	100	0 0	0 0	0 0	0 0
	5F	1 000	10 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
Mean		04400	1 8400	0	04400	04040	01760	00040	0
JN22									
	1B	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	15 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	1 000	0 0	0 0	0 0	010	0 0	0 0
	3B	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0
	5D	0 0	1 000	0 0	1 000	0 0	0 0	0 0	0 0
	5F	100	10 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		01200	1 0800	0	08000	04040	04[illegible]20	0	0
JL28									
	1B	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	20 000	0 0	0 0	0 0	010	0 0	0 0
	3D	0 0	2 000	0 0	0 0	0 0	010	0 0	0 0
	3B	0 0	100	0 0	0 0	1 000	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	5D	0 0	2 000	0 0	1 000	0 0	0 0	0 0	0 0
	5F	100	6 000	0 0	2 000	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	7J	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	9J	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
Mean		04400	1 2840	0	16040	04000	02520	0	0
AU25									
	1B	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	30 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	2 000	0 0	0 0	0 0	010	0 0	0 0
	3B	0 0	1 000	0 0	0 0	100	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0
	5D	0 0	6 000	0 0	100	0 0	010	0 0	0 0
	5F	1 000	15 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	7J	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

SEADYN Project Mongo-Slave Lake Stand
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values of 7x7 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	STEALP	CLACOR	PTIPUL	DICSCO
	9H	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	9J	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.12400	0.2400	0	.00440	.00400	.04800	0	0
[illegible]									
	1B	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	2.000	0.0	0.0	0.0	0.10	0.0	0.0
	3B	0.0	1.00	0.0	0.0	1.00	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	5D	0.0	[illegible].000	1.00	0.0	0.0	0.0	0.0	0.0
	5F	[illegible].000	[illegible].000	0.0	2.000	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	[illegible].000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.2400	.55400	.00400	.12040	.00400	0.1800	0	0

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MA07							
	1B	1 000	1	17 240	9	18 240	10
	1D	0 0	0	15 230	6	15 230	6
	1F	0 0	0	7 030	4	7 030	4
	1H	1 000	1	6 010	3	7 010	4
	1J	6 000	2	25 140	6	31 140	8
	3J	0 0	0	35 210	5	35 210	5
	3H	1 100	2	51 200	4	52 300	6
	3F	2 000	2	55 210	5	57 210	7
	3D	3 110	4	27 160	9	30 270	13
	3B	010	1	87 120	6	87 130	7
	5B	5 010	2	5 540	11	10 550	13
	5D	3 110	3	58 430	9	61 540	12
	5F	110	2	43 120	8	43 230	10
	5H	3 000	1	16 220	7	19 220	8
	5J	0 0	0	1 140	6	1 140	6
	7J	0 0	0	25 300	4	25 300	4
	7H	0 0	0	85 320	6	85 320	6
	7F	0 0	0	58 310	7	58 310	7
	7D	0 0	0	40 210	4	40 210	4
	7B	0 0	0	91 230	7	91 230	7
	9B	010	1	31 020	4	31 030	5
	9D	0 0	0	5 110	3	5 110	3
	9F	2 000	1	96 040	6	98 040	7
	9H	010	1	5 130	5	5 140	6
	9J	040	4	71 040	6	71 080	10
Mean		1 0040	1 12	39 99239	6 00	41 09278	7 12
JN22							
	1B	000	1	22 330	9	22 330	10
	1D	0 0	0	9 030	6	9 030	6
	1F	0 0	0	5 120	4	5 120	4
	1H	2 000	1	4 100	2	6 100	3
	1J	8 000	2	20 230	6	28 230	8
	3J	100	1	41 300	5	41 400	6
	3H	300	3	52 100	4	52 400	7
	3F	200	2	31 100	4	31 300	6
	3D	1 110	3	31 120	5	32 230	8
	3B	110	2	81 200	4	81 310	6
	5B	3 000	1	9 610	10	12 610	11
	5D	2 000	1	52 220	7	54 220	8
	5F	0 0	0	41 210	5	41 210	5
	5H	1 010	2	9 200	5	10 210	7
	5J	0 0	0	1 330	7	1 330	7
	7J	0 0	0	20 310	5	20 310	5
	7H	0 0	0	85 410	6	85 410	6
	7F	0 0	0	67 320	8	67 320	8
	7D	0 0	0	60 210	4	60 210	4
	7B	0 0	0	86 420	8	86 420	8
	9B	0 0	0	61 020	4	61 020	4
	9D	0 0	0	7 010	2	7 010	2
	9F	2 000	1	91 110	4	93 110	5
	9H	010	1	5 210	4	5 220	5
	9J	0 0	0	71 210	5	71 210	5
Mean		33380	84	40 25719	5 36	4 09078	6 20
JL21							
	1B	1 000	1	27 510	9	28 510	10
	1D	0 0	0	11 310	6	11 310	6
	1F	0 0	0	7 210	4	7 210	4
	1H	1 000	1	6 110	3	7 110	4
	1J	5 100	2	20 310	5	25 410	7
	3J	100	1	41 220	6	41 320	7
	3H	200	2	88 020	5	88 220	7
	3F	120	3	45 130	6	45 250	9
	3D	6 200	4	38 230	8	44 430	12
	3B	020	2	76 210	5	76 230	7
	5B	4 100	2	10 400	9	14 500	11
	5D	5 110	3	53 420	9	58 530	12
	5F	100	1	45 400	7	45 500	8
	5H	1 000	1	14 420	10	15 420	11
	5J	0 0	0	1 330	7	1 330	7
	7J	0 0	0	31 110	4	31 110	4
	7H	0 0	0	51 120	5	51 120	5
	7F	010	1	48 300	7	48 310	8
	7D	0 0	0	40 210	4	40 210	4
	7B	0 0	0	87 430	10	87 430	10
	9B	010	1	77 010	3	77 020	4
	9D	0 0	0	7 130	5	7 130	5
	9F	2 000	1	51 400	6	53 400	7
	9H	010	1	5 320	6	5 330	7
	9J	030	3	77 020	4	77 050	7
Mean		1 04440	1 20	41 69119	6 12	42 73558	7 32
AU25							
	1B	1 000	1	25 330	7	26 330	8
	1D	010	1	5 120	4	5 130	5
	1F	0 0	0	8 210	4	8 210	4
	1H	1 000	1	5 110	3	6 110	4
	1J	10 010	2	20 140	6	30 150	8
	3J	100	1	38 200	4	38 300	5
	3H	100	1	85 310	5	85 410	6
	3F	200	2	46 000	3	46 200	5
	3D	3 200	3	33 240	9	36 440	12
	3B	0 0	0	76 130	6	76 130	6
	5B	5 000	1	10 510	10	15 510	11
	5D	3 100	2	48 520	9	51 620	11
	5F	100	1	46 230	8	46 330	9
	5H	2 000	1	17 210	8	19 210	9
	5J	0 0	0	2 060	7	2 060	7
	7J	0 0	0	33 000	3	33 000	3
	7H	0 0	0	61 050	7	61 050	7
	7F	0 0	0	64 210	6	64 210	6
	7D	0 0	0	50 030	4	50 030	4
	7B	100	1	80 430	8	80 530	9
	9B	0 0	0	82 020	4	82 020	4
	9D	0 0	0	8 110	3	8 110	3
	9F	2 000	1	90 130	5	92 130	6

SEADYN Project Wonder-Slave Lake Stand
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by [illegible] Plots

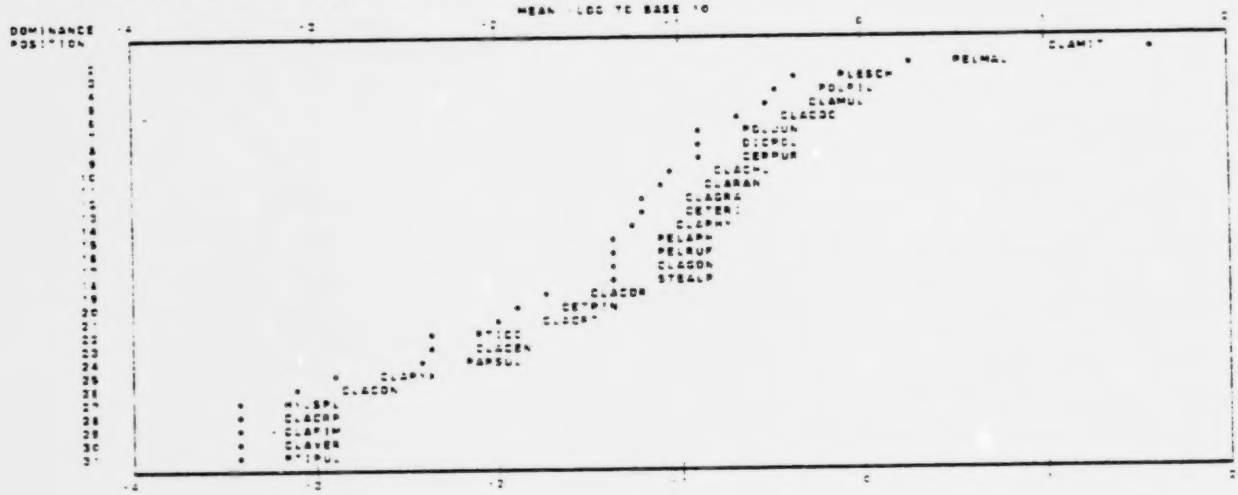
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	[illegible]	[illegible]	[illegible]	5 310	5	5 320	6
	[illegible]	0 0	0	77 220	6	77 220	6
Mean		[illegible]	60	[illegible]	5 76	42 99438	6 56
[illegible]							
	[illegible]	0 0	0	15 250	8	15 250	8
	[illegible]	0 0	0	10 220	5	10 220	5
	[illegible]	0 0	0	8 210	4	8 210	4
	[illegible]	000	[illegible]	2 100	2	4 100	2
	[illegible]	[illegible] 100	[illegible]	15 160	8	22 240	8
	[illegible]	[illegible] 000	[illegible]	28 210	8	28 210	[illegible]
	3[illegible]	300	2	78 110	4	78 410	[illegible]
	3[illegible]	00	[illegible]	28 110	4	28 210	8
	33	[illegible] 200	2	22 160	8	24 360	[illegible]
	38	0 0	0	75 220	5	75 220	5
	58	[illegible]	2	8 720	[illegible]	8 830	[illegible]
	53	5 100	[illegible]	41 330	8	48 430	10
	5[illegible]	[illegible]	[illegible]	36 [illegible]	10	36 070	[illegible]
	5[illegible]	[illegible]	[illegible]	12 140	8	12 180	[illegible]
	5[illegible]	0 0	0	040	4	080	4
	[illegible]	0 0	0	18 100	2	18 100	2
	[illegible]	0 0	0	80 250	8	80 250	8
	[illegible]	0 0	0	41 340	5	41 340	5
	[illegible]	0 0	0	80 220	5	80 220	5
	[illegible]	0 0	0	8 220	6	8 220	6
	88	0 0	0	51 020	4	51 020	4
	9[illegible]	0 0	0	10 030	4	10 030	4
	9[illegible]	0 0	0	85 310	8	85 310	5
	9[illegible]	[illegible]	[illegible]	5 [illegible]	4	5 120	5
	9[illegible]	[illegible] 100	[illegible]	65 320	6	65 420	[illegible]
Mean		[illegible]	84	38 04[illegible]	5 12	39 [illegible]	6 [illegible]

Hongo-Slave Lake Stand 1 1982 Bryoid Comm. Monitor. Survey 04/18/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828.5 (CREATION DATE = 04/18/83) Stand 1 (42 y old Jack Pine 1982 Bryoid Cover % Data (7x7 m
SUBFILE MADT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Dicranum polysetum	DICPOL	25	16.000	0.12400	0.33076	0.06615	0.53346	0.0	1.00000
Hylocomium splendens	HYLSPL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	32.000	0.40480	1.07848	0.21569	0.53283	0.0	5.00000
Polytrichum juniperinum	POLJUN	25	20.000	0.12520	0.59925	0.11985	0.95727	0.0	3.00000
Polytrichum piliferum	POLPIL	25	24.000	0.32120	1.06890	0.21378	0.66557	0.0	5.00000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICCC	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cetraria ericetorum	CETERI	25	32.000	0.06080	0.19977	0.03995	0.65714	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	48.000	0.01200	0.02682	0.00536	0.44678	0.0	0.10000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cladonia chlorophaea	CLACHL	25	52.000	0.08160	0.27471	0.05494	0.67330	0.0	1.00000
Cladonia coccifera	CLACOC	25	32.000	0.21720	0.99710	0.19942	0.91814	0.0	5.00000
Cladonia coniocraea	CLACON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia crispata	CLACRP	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cristatella	CLACRT	25	28.000	0.01000	0.02739	0.00548	0.54772	0.0	0.10000
Cladonia fimbriata	CLAFIM	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	16.000	0.04120	0.19978	0.03996	0.96979	0.0	1.00000
Cladonia gracilis	CLAGRA	25	48.000	0.06240	0.19930	0.03986	0.63877	0.0	1.00000
Cladina mitis	CLAMIT	25	100.000	37.08000	31.66764	6.33349	0.17081	1.00000	95.00000
Cladonia multiformis	CLAMUL	25	84.000	0.28800	0.50273	0.10055	0.35186	0.0	2.00000
Cladonia phyllophora	CLAPHY	25	24.000	0.05280	0.20005	0.04001	0.75777	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladina rangiferina	CLARAN	25	16.000	0.08080	0.27666	0.05533	0.68480	0.0	1.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia uncialis	CLAUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Parmelia sulcata	PARSUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera aphthosa	PELAPH	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Peltigera malacea	PELMAL	25	20.000	1.84000	6.22281	1.24456	0.67639	0.0	20.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Stereocaulon alpinum	STEALP	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	1.00000
Cladonia cornuta	CLACOR	25	32.000	0.01760	0.03689	0.00738	0.41917	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 31 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.8165
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.5037 NATURAL LOGARITHMS

31 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 41.0928



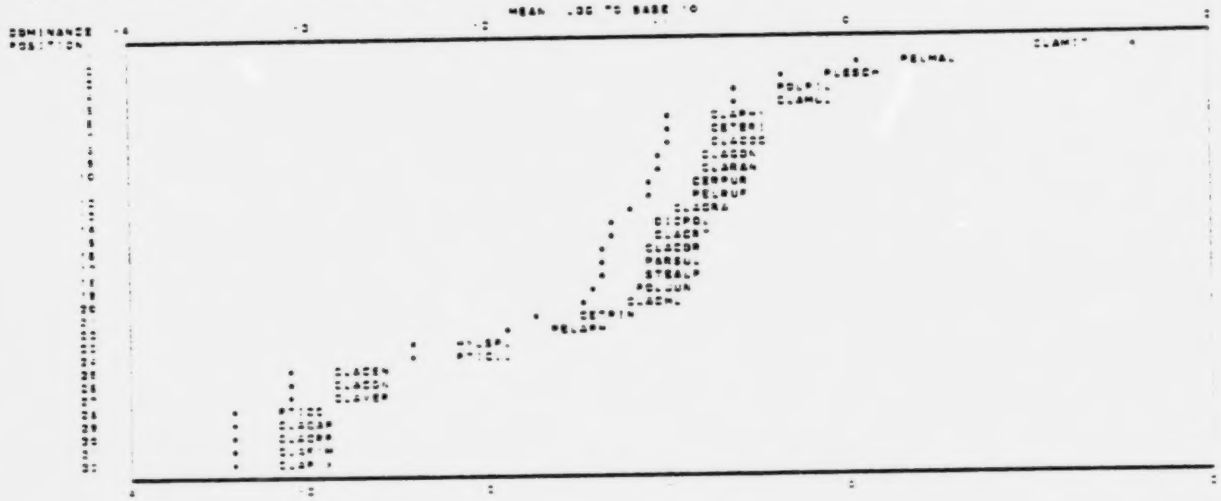
Hondo-Slave Lake Stand 1 1982 Bryoid Comm. Monitor. Survey. 04/18/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S1328.5 (CREATION DATE = 04/18/83) Stand 1 (42 y old Jack Pine) 1982 Bryoid Cover % Data
SUBFILE JW22

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Dicranum polysetum	DICPOL	25	20.000	0.04880	0.20007	0.04001	0.81967	0.0	1.00000
Hylocomium splendens	HYLSPL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	28.000	0.41240	1.44017	0.28803	0.69842	0.0	7.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Polytrichum piliferum	POLPIL	25	16.000	0.24400	0.72221	0.14444	0.59206	0.0	3.00000
Ptilidium ciliare	PTICIL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Ptilium crista-castrensis	PTICCC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cetraria ericetorum	CETERI	25	32.000	0.10400	0.27367	0.05473	0.52625	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	40.000	0.01840	0.03859	0.00772	0.39774	0.0	0.10000
Cladonia capitata	CLACAP	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cenotea	CLACEN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	36.000	0.03240	0.04737	0.00947	0.29241	0.0	0.10000
Cladonia coccifera	CLACOC	25	24.000	0.09840	0.39832	0.07966	0.82039	0.0	2.00000
Cladonia coniocraea	CLACON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia crispata	CLACRP	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cristatella	CLACRT	25	16.000	0.04840	0.20016	0.04003	0.82711	0.0	1.00000
Cladonia fimbriata	CLAFIM	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	32.000	0.08880	0.27535	0.05507	0.61462	0.0	1.00000
Cladonia gracilis	CLAGRA	25	32.000	0.08080	0.19977	0.03995	0.49714	0.0	1.00000
Cladina mitis	CLAMIT	25	100.000	38.08000	32.07922	6.41584	0.16848	1.00000	90.00000
Cladonia multiformis	CLAMUL	25	56.000	0.23240	0.39422	0.07884	0.33926	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	44.000	0.10520	0.27281	0.05452	0.51821	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina rangiferina	CLARAN	25	12.000	0.08400	0.27641	0.05528	0.65811	0.0	1.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia uncialis	CLAUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Parmelia sulcata	PARSUL	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Peltigera aphthosa	PELAPH	25	12.000	0.01200	0.03317	0.00663	0.55277	0.0	0.10000
Peltigera malacea	PELMAL	25	16.000	1.04000	3.52271	0.70454	0.67745	0.0	15.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Stereocaulon alpinum	STEALP	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	1.00000
Cladonia cornuta	CLACOR	25	20.000	0.04520	0.19932	0.03986	0.88180	0.0	1.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 32 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.8587
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.4264 (NATURAL LOGARITHMS)

32 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 41.0808

MEAN (LOG TO BASE 10)

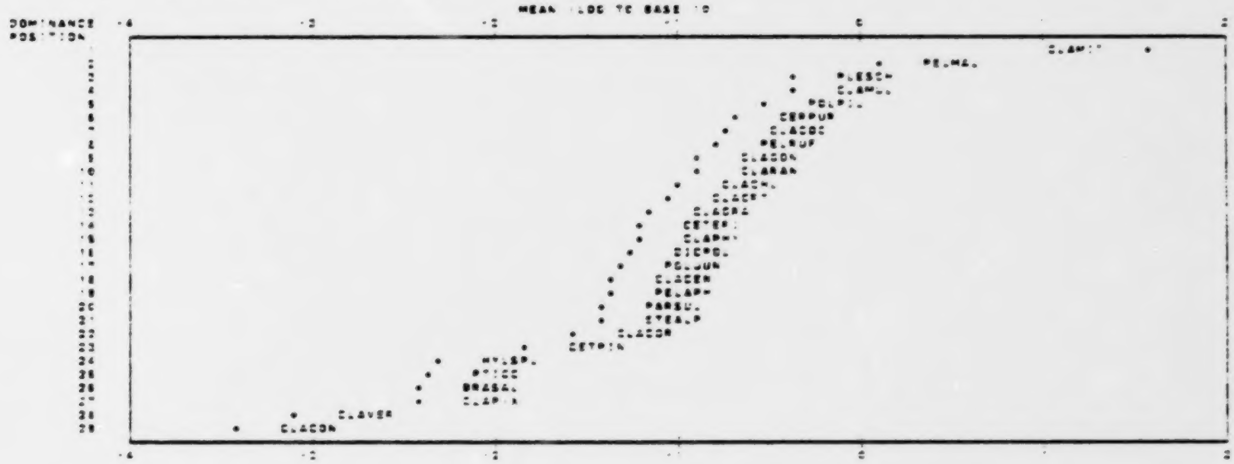


Mongo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/15/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 9 CREATION DATE = 04/15/83 Stand 1 (63 , old Jack Pine 1982 Bryoid Cover % Data (7x 7 m
SUBFILE JL28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Ceratodon purpureus	CERPUR	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Dicranum polysetum	DICPOL	25	20.000	0.05240	0.20015	0.04003	0.76394	0.0	1.00000
Hylocomium splendens	HYLSPL	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	32.000	0.44920	1.38407	0.27681	0.61624	0.0	5.00000
Polytrichum juniperinum	POLJUN	25	20.000	0.04880	0.20007	0.04001	0.81984	0.0	1.00000
Polytrichum piliferum	POLPIL	25	20.000	0.28080	0.89043	0.17809	0.63421	0.0	4.00000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICCC	25	8.000	0.00440	0.02002	0.00400	0.90955	0.0	0.10000
Cetraria ericetorum	CETERI	25	32.000	0.08440	0.19953	0.03993	[illegible]	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	32.000	0.01400	0.03265	0.00653	0.4665[illegible]	0.0	0.10000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	60.000	0.10320	0.27268	0.05454	0.52846	0.0	1.00000
Cladonia coccifera	CLACOC	25	28.000	0.17640	0.62123	0.12425	0.70438	0.0	3.00000
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	28.000	0.08560	0.27582	0.05516	0.64443	0.0	1.00000
Cladonia fimbriata	CLAFIM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	24.000	0.12880	0.43806	0.08761	0.68021	0.0	2.00000
Cladonia gracilis	CLAGRA	25	52.000	0.07360	0.19643	0.03929	0.53381	0.0	1.00000
Cladina mitis	CLAMIT	25	100.000	38.80000	30.93948	6.18789	0.15948	1.00000	90.00000
Cladonia multiformis	CLAMUL	25	88.000	0.42000	0.60348	0.12069	0.28736	0.0	2.00000
Cladonia phyllophora	CLAPHY	25	44.000	0.06200	0.19942	0.03988	0.64328	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina rangiferina	CLARAN	25	12.000	0.12000	0.43970	0.08794	0.73282	0.0	2.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia uncialis	CLAUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Parmelia sulcata	PARSUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera aphthosa	PELAPH	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Peltigera malacea	PELMAL	25	20.000	1.28400	4.23871	0.84774	[illegible]	0.0	20.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	16.000	0.18040	0.47264	0.09441	[illegible]	0.0	2.00000
Stereocaulon alpinum	STEALP	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Cladonia cornuta	CLACOR	25	36.000	0.02520	0.04302	0.00860	0.34149	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 29 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.8255
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.5236 NATURAL LOGARITHMS

29 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 42.7356

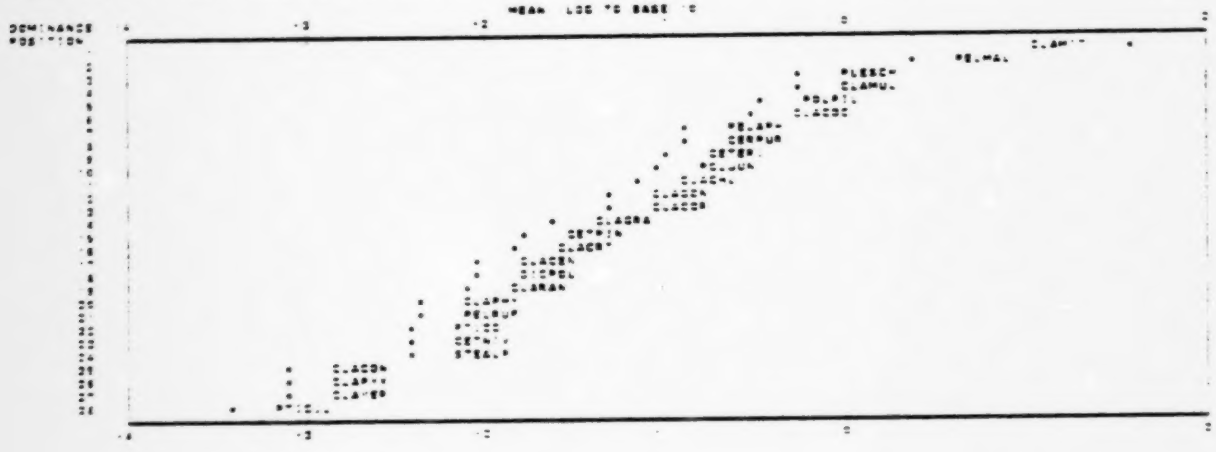


Mange-Slave Lake Stand ? 1982 Bryoid Comm. Monthly Survey 04/15/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE ... CREATION DATE = 04/15/83 Stand ? 42, old Jack Pine 1982 Bryoid Cover % Data
SUBFILE ...

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Dicranum polysetum	DICPOL	25	12.000	0.00840	0.02764	0.00553	0.658[illegible]	0.0	0.10000
Hylocomium splendens	HYLSPL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	32.000	0.57640	2.05446	0.41[illegible]	0.71438	0.0	10.00000
Polytrichum juniperinum	POLJUN	25	8.000	0.08400	0.39967	0.07993	0.95151	0.0	2.00000
Polytrichum piliferum	POLPIL	25	16.000	0.22400	1.06621	0.21324	0.95929	0.0	5.00000
Ptilidium ciliare	PTICIL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilium crista-castrensis	PTICRI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria ericetorum	CETERI	25	40.000	0.05800	0.39793	0.07958	0.812[illegible]	0.0	2.00000
Cetraria nivalis	CETNIV	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria pinastri	CETPIN	25	48.000	0.01560	0.03216	0.00643	0.41225	0.0	0.10000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	16.000	0.00660	0.02759	0.00552	0.83596	0.0	0.10000
Cladonia chlorophaea	CLACHL	25	80.000	0.06720	0.11874	0.02375	0.35343	0.0	[illegible]0000
Cladonia coccifera	CLACOC	25	16.000	0.26440	1.06042	0.21208	0.74873	0.0	5.00000
Cladonia coniocraea	CLACON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRI	25	28.000	0.01360	0.02277	0.00655	0.48184	0.0	0.10000
Cladonia fimbriata	CLAFIM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	16.000	0.04440	0.20016	0.04003	0.90[illegible]	0.0	1.00000
Cladonia gracilis	CLAGRA	25	40.000	0.02200	0.04000	0.00800	0.36364	0.0	0.10000
Cladina mitis	CLAMIT	25	100.000	37.12000	30.97172	6.19434	0.16340	3.00000	90.00000
Cladonia multiformis	CLAMUL	25	56.000	0.55200	0.74176	0.14835	0.26875	0.0	3.00000
Cladonia phyllophora	CLAPHY	25	8.000	0.00440	0.02003	0.00400	0.90981	0.0	0.10000
Cladonia pyxidata	CLAPYX	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladina rangiferina	CLARAN	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia uncialis	CLAUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	12.000	0.12400	0.42901	0.08580	0.69194	0.0	2.00000
Peltigera malacea	PELMAL	25	20.000	2.24000	6.87256	1.33452	0.61377	0.0	30.00000
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.00440	0.02003	0.00400	0.90981	0.0	0.10000
Stereocaulon alpinum	STEALP	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia cornuta	CLACOR	25	28.000	0.04600	0.11971	0.02394	0.52044	0.0	0.50000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 28 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION = 0.7856
SHANNON-WEAVER INDEX OF DIVERSITY = 0.5480 NATURAL LOGARITHMS

28 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 42.5944

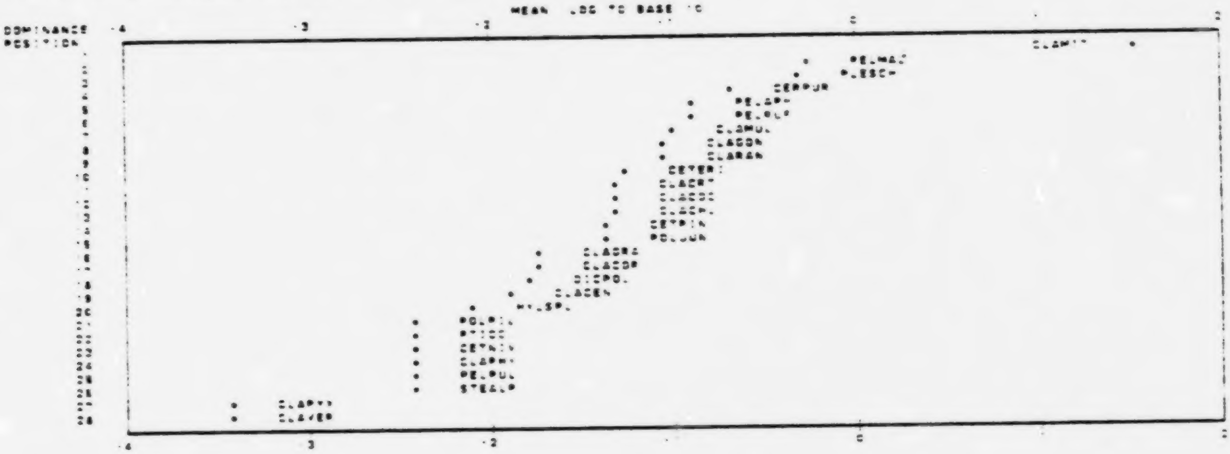


Hondo's Ave Lake Stand 1 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 S CREATION DATE = 04/18/83 Stand 1 (43 y old Jack Pine) 1982 Bryoid Cover % Data 7x 7 m
SUBFILE 0010

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Dicranum polysetum	DICPOL	25	16.000	0.01600	0.03742	0.00748	0.46771	0.0	0.10000
Hylocomium splendens	HYLSPL	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	36.000	0.66520	1.44518	0.28904	0.59570	0.0	[illegible]
Polytrichum juniperinum	POLJUN	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000
Polytrichum piliferum	POLPIL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria ericetorum	CETERI	25	32.000	0.05720	0.19984	0.03997	0.69876	0.0	1.00000
Cetraria nivalis	CETNIV	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria pinastri	CETPIN	25	48.000	0.04440	0.19915	0.03983	0.89705	0.0	1.00000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	24.000	0.01320	0.03288	0.00658	0.49816	0.0	0.10000
Cladonia chlorophaea	CLACHL	25	44.000	0.04800	0.19831	0.03966	0.83046	0.0	1.00000
Cladonia coccifera	CLACOC	25	24.000	0.04520	0.19991	0.04000	0.88282	0.0	1.00000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	28.000	0.04960	0.19988	0.03998	0.80595	0.0	1.00000
Cladonia fimbriata	CLAFIM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	32.000	0.09360	0.39851	0.07970	0.85151	0.0	2.00000
Cladonia gracilis	CLAGRA	25	48.000	0.01920	0.03628	0.00726	0.37786	0.0	0.10000
Cladina mitis	CLAMIT	25	100.000	33.64040	25.07110	5.01422	0.17282	0.01000	85.00000
Cladonia multiformis	CLAMUL	25	64.000	0.09840	0.19349	0.03870	0.39328	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia pyxidata	CLAPYX	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina rangiferina	CLARAN	25	24.000	0.08520	0.27605	0.05521	0.64799	0.0	1.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia uncialis	CLAUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	12.000	0.12400	0.43901	0.08780	0.70809	0.0	2.00000
Peltigera malacea	PELMAL	25	20.000	0.56400	2.02132	0.40426	0.71678	0.0	10.00000
Peltigera pulverulenta	PELPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	8.000	0.12040	0.59992	0.11998	0.99654	0.0	3.00000
Stereocaulon alpinum	STEALP	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia cornuta	CLACOR	25	36.000	0.01800	0.03674	0.00735	0.40825	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 28 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.8834
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.2728 NATURAL LOGARITHMS

28 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 35.8032



Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S1828 S CREATION DATE = 04/16/83 Stand 1 42 y old Jack Pine 1982 Bryoid Cover % Data 7x7 m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	60.000	1.10040	1.71265	0.34253	0.31128	0.0	6.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	60.000	1.12000	1.22558	0.24712	0.22064	0.0	4.00000
Mean Lichen Cover	LICHENCV	25	100.000	35.88235	31.62944	6.35590	0.15918	1.14000	96.03998
Mean Lichen Species Richness	LICHENRP	25	100.000	8.00000	2.04124	0.40825	0.05104	3.00000	11.00000
Mean Cover of All Species	TOTALCV	25	100.000	41.09275	31.65007	6.33001	0.15404	1.14000	96.03998
Mean Richness of All Species	TOTALRP	25	100.000	9.12000	2.81628	0.56256	0.06168	3.00000	13.00000

Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S1828 S CREATION DATE = 04/16/83 Stand 1 42 y old Jack Pine 1982 Bryoid Cover % Data 7x7 m
SUBFILE JUNE

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	52.000	0.62360	1.72027	0.34407	0.41276	0.0	8.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	52.000	0.84000	0.93858	0.18772	0.22350	0.0	3.00000
Mean Lichen Cover	LICHENCV	25	100.000	40.28719	31.84740	6.36948	0.15822	1.33000	93.09999
Mean Lichen Species Richness	LICHENRP	25	100.000	5.36000	1.37652	0.27530	[illegible]	3.00000	10.00000
Mean Cover of All Species	TOTALCV	25	100.000	41.09078	31.57834	6.31567	0.15370	1.33000	93.10999
Mean Richness of All Species	TOTALRP	25	100.000	6.20000	2.08167	0.41633	0.06715	2.00000	11.00000

Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S1828 S CREATION DATE = 04/16/83 Stand 1 42 y old Jack Pine 1982 Bryoid Cover % Data 7x7 m
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	64.000	1.04440	1.90580	0.38116	0.36497	0.0	6.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	68.000	1.20000	1.15470	0.23094	0.19245	0.0	4.00000
Mean Lichen Cover	LICHENCV	25	100.000	41.68119	31.00981	6.20192	0.14876	0.33000	91.39998
Mean Lichen Species Richness	LICHENRP	25	100.000	6.12000	2.04505	[illegible]	[illegible]	3.00000	10.00000
Mean Cover of All Species	TOTALCV	25	100.000	42.72558	30.84645	6.15930	0.14438	1.33000	92.39998
Mean Richness of All Species	TOTALRP	25	100.000	7.32000	2.56125	0.51225	0.06998	4.00000	12.00000

Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S1828 S CREATION DATE = 04/16/83 Stand 1 42 y old Jack Pine 1982 Bryoid Cover % Data 7x7 m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	56.000	1.11720	2.27236	0.45447	0.40680	0.0	10.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	56.000	0.80000	0.81650	0.16330	0.20412	0.0	3.00000
Mean Lichen Cover	LICHENCV	25	100.000	41.47719	30.50222	6.10044	0.14708	0.06000	90.28997
Mean Lichen Species Richness	LICHENRP	25	100.000	5.76000	[illegible]	[illegible]	[illegible]	3.00000	10.00000
Mean Cover of All Species	TOTALCV	25	100.000	42.59438	30.08115	6.01623	0.14124	0.36000	92.13997
Mean Richness of All Species	TOTALRP	25	100.000	6.56000	[illegible]	[illegible]	[illegible]	3.00000	12.00000

Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 17
Statistics for Synthetic Cover and Species Richness Variables
FILE S1828 S CREATION DATE = 04/16/83 Stand 1 42 y old Jack Pine 1982 Bryoid Cover % Data 7x7 m
SUBFILE OCT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	48.000	0.75120	[illegible]	0.34424	0.45200	0.0	7.10000
Mean Bryophyte Species Richness	BRYOPHRP	25	48.000	0.64000	[illegible]	[illegible]	[illegible]	0.0	3.00000
Mean Lichen Cover	LICHENCV	25	100.000	35.04158	26.75254	[illegible]	[illegible]	0.04000	85.30997
Mean Lichen Species Richness	LICHENRP	25	100.000	5.52000	[illegible]	[illegible]	[illegible]	3.00000	11.00000
Mean Cover of All Species	TOTALCV	25	100.000	35.80318	[illegible]	[illegible]	0.15335	0.04000	85.30997
Mean Richness of All Species	TOTALRP	25	100.000	6.76000	[illegible]	[illegible]	[illegible]	2.00000	12.00000

SEADYN Project Hondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Species Cover % values by 5x5 m Plots

Date	Plot	BRASAL	CERPUR	DICPOL	HYLSPL	ORTFLA	PLESCH	POLJUN	POLPIL	PTICIL	PTICC	CETERI	CETNIV	CETPIN	CLACAP	CLACEN	CLACHL
AU17																	
	0A	0 0	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0	010	0 0	010	100
	0C	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	010
	0E	0 0	0 0	010	0 0	0 0	100	010	100	0 0	0 0	0 0	0 0	010	0 0	010	0 0
	0G	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	010	0 0	010	0 0	010	010
	0I	0 0	0 0	1 000	3 000	0 0	60 000	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	2I	0 0	0 0	100	1 000	0 0	10 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	100	010
	2G	0 0	0 0	010	0 0	0 0	100	100	0 0	0 0	0 0	0 0	0 0	010	0 0	010	010
	2E	0 0	0 0	010	100	0 0	1 000	100	010	010	0 0	010	0 0	100	0 0	0 0	100
	2C	0 0	0 0	010	010	0 0	1 000	010	0 0	0 0	0 0	100	0 0	010	0 0	010	100
	2A	0 0	0 0	010	010	0 0	20 000	100	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	010
	4A	0 0	0 0	0 0	0 0	0 0	1 000	100	1 000	0 0	0 0	010	0 0	010	0 0	0 0	100
	4C	0 0	0 0	010	0 0	0 0	1 000	010	100	0 0	0 0	010	0 0	010	0 0	100	0 0
	4E	0 0	0 0	0 0	40 000	0 0	20 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	100
	4G	0 0	0 0	010	100	0 0	1 000	010	0 0	0 0	0 0	010	0 0	010	0 0	010	010
	4I	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	010	0 0	010	0 0	010	0 0
	6I	0 0	0 0	0 0	0 0	0 0	0.0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	100
	6G	0 0	010	010	0 0	0 0	100	0 0	010	0 0	0 0	010	0 0	010	0 0	0 0	0 0
	6E	0 0	0 0	010	0 0	0 0	100	010	0 0	0 0	0 0	100	0 0	010	0 0	0 0	0 0
	6C	0 0	0 0	010	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	6A	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	010	0 0	010	0 0	010	010
	8A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	8C	0 0	0 0	0 0	0 0	0 0	010	0 0	010	0 0	0 0	010	0 0	010	0 0	010	010
	8E	0 0	0 0	0 0	0 0	0 0	100	100	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	8G	0 0	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	010	0 0	010	0 0	010	010
	8I	0 0	0 0	0 0	0 0	010	0 0	0 0	1 000	0 0	0 0	010	010	010	0 0	0 0	100
Mean		0	00040	04800	1 7688	00040	4 6288	02440	09800	00040	00040	01320	00040	01120	0	01240	02240

```
TRANSPACE REQUIRED          600 BYTES
      6 TRANSFORMATIONS
      2 RECODE VALUES + LAG VARIABLES
     48 IF COMPUTE OPERATIONS

CPU TIME REQUIRED       0 14 SECONDS


                44 REPORT          FORMAT = HDSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
                45                 VARIABLES = PLOTNO(Plot)(4) CLACOC TO PARSUL (6)
                46                 HEAD = 'SEADYN Project  Hondo-Slave Lake  Stand 1'
                47                 'Monthly Survey of Bryophyte and Lichen Community'
                48                 'Species Cover % values by 5x5 m Plots'
                49                 BREAK = SUBFILE (Date) (4)
                50                 SUMMARY = MEAN (Mean)

REPORT REQUIRES      2736 BYTES FOR THIS TASK
```

SEADYN Project: Hennoc-Slave Lake Stand
Monthly Survey of Bryophyte and Lichen Communit.
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACOC	CLACON	CLACRP	CLACRT	CLAFIM	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSUL
AU17																	
	04	0.10	0.10	0.0	0.10	0.0	0.10	0.10	55.000	0.10	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	06	0.10	0.0	0.0	1.00	0.0	0.10	0.10	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	08	0.0	0.0	0.0	0.0	0.0	0.10	1.00	15.000	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	05	0.10	0.0	0.0	0.0	0.0	0.10	0.0	60.000	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	21	0.10	0.0	0.0	0.0	0.0	0.10	0.10	40.000	10.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	26	0.0	0.0	0.10	0.10	0.0	0.10	0.0	80.000	1.00	0.0	0.0	0.0	0.10	0.0	0.0	0.0
	28	0.10	0.0	0.0	0.10	0.0	0.10	0.10	10.000	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	35	1.00	0.0	0.0	0.10	0.0	0.10	0.10	25.000	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	24	0.10	0.10	0.0	0.10	0.0	0.10	0.10	40.000	10.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	42	10.00	0.0	0.0	1.00	0.0	0.10	0.10	20.000	1.00	10.00	1.00	0.0	0.0	0.0	0.0	0.0
	46	1.00	0.0	0.0	0.10	0.0	0.0	0.0	60.000	1.00	0.10	0.0	0.0	0.0	0.10	0.0	0.0
	48	0.10	0.0	0.10	0.10	0.0	0.10	0.10	[illegible]	1.00	0.0	0.0	0.0	0.10	0.0	0.0	0.0
	43	1.00	0.0	0.0	0.10	0.0	0.10	0.10	60.000	10.00	0.0	0.10	0.0	0.0	0.0	0.0	0.0
	41	0.0	0.0	0.0	0.10	0.0	0.0	0.10	50.000	1.00	0.0	0.10	0.0	0.0	0.0	0.0	0.0
	61	1.00	0.0	0.0	0.10	0.0	0.10	0.10	80.000	1.00	0.10	0.0	0.0	0.0	0.0	0.0	0.0
	62	0.10	0.0	0.0	0.10	0.0	0.0	0.10	70.000	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	68	0.0	0.0	0.0	0.10	0.0	0.0	0.10	65.000	10.00	0.10	0.10	0.0	1.00	0.0	0.0	0.0
	66	0.0	0.0	0.0	0.10	0.0	0.10	0.10	55.000	10.00	0.10	0.10	0.0	1.00	0.0	0.0	0.0
	62	0.10	0.10	0.0	0.10	0.0	0.10	0.10	60.000	1.00	0.10	0.0	0.0	0.0	0.0	0.0	0.0
	64	1.00	0.0	0.0	0.10	0.0	0.10	0.10	80.000	1.00	0.0	0.10	0.0	0.10	0.0	0.0	0.0
	56	0.0	0.0	0.0	0.0	0.0	0.0	0.10	20.000	1.00	0.0	0.0	0.0	0.0	0.10	0.0	0.0
	88	0.10	0.0	0.10	1.00	0.0	0.0	0.10	80.000	1.00	10.00	0.0	0.0	0.0	0.10	0.0	0.0
	86	0.10	0.0	0.0	0.10	0.0	0.0	0.10	75.000	1.00	0.0	0.0	0.0	0.10	0.0	0.0	0.0
	91	0.10	0.0	0.0	0.0	0.0	0.0	0.0	55.000	0.10	1.00	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.6480	0.0120	0.0120	0.1840	0	0.0640	0.1160	47.360	2.6880	0.8600	0.0600	0	0.0960	0.0160	0	0

SEADYN Project, Mondo-Slave Lake Stand 1
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	STEALP	CLACOR	PTIPUL	DICSCO
AU17									
	0A	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	0C	0 0	0 0	0 0	010	0 0	010	0 0	0 0
	0E	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	0G	010	2 000	0 0	0 0	0 0	010	0 0	0 0
	0I	100	0 0	0 0	0 0	0 0	0 0	010	0 0
	2I	1 000	1 000	0 0	0 0	0 0	010	0 0	0 0
	2G	0 0	2 000	0 0	0 0	0 0	010	0 0	0 0
	2E	100	2 000	0 0	0 0	100	100	0 0	010
	2C	100	1 000	0 0	0 0	100	100	0 0	0 0
	2A	100	1 000	0 0	0 0	0 0	010	0 0	0 0
	4A	0 0	3 000	0 0	0 0	010	010	0 0	0 0
	4C	010	3 000	0 0	0 0	0 0	010	0 0	0 0
	4E	100	2 000	0 0	0 0	0 0	0 0	0 0	010
	4G	0 0	1 000	0 0	0 0	0 0	010	010	0 0
	4I	010	1 000	0 0	0 0	0 0	010	0 0	0 0
	6I	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	6G	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	6E	0 0	2 000	0 0	0 0	0 0	010	0 0	0 0
	6C	0 0	1 000	0 0	0 0	0 0	010	010	0 0
	6A	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0
	8A	0 0	100	0 0	0 0	0 0	010	0 0	0 0
	8C	0 0	0 0	100	0 0	0 0	010	0 0	010
	8E	0 0	0 0	0 0	0 0	010	010	0 0	0 0
	8G	0 0	0 0	0 0	0 0	010	010	0 0	0 0
	8I	0 0	000	0 0	0 0	0 0	0 0	0 0	0 0
Mean		08120	95800	00400	00040	00920	01520	00120	00120

SEADYN Project Hondo-Slave Lake Stand I
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

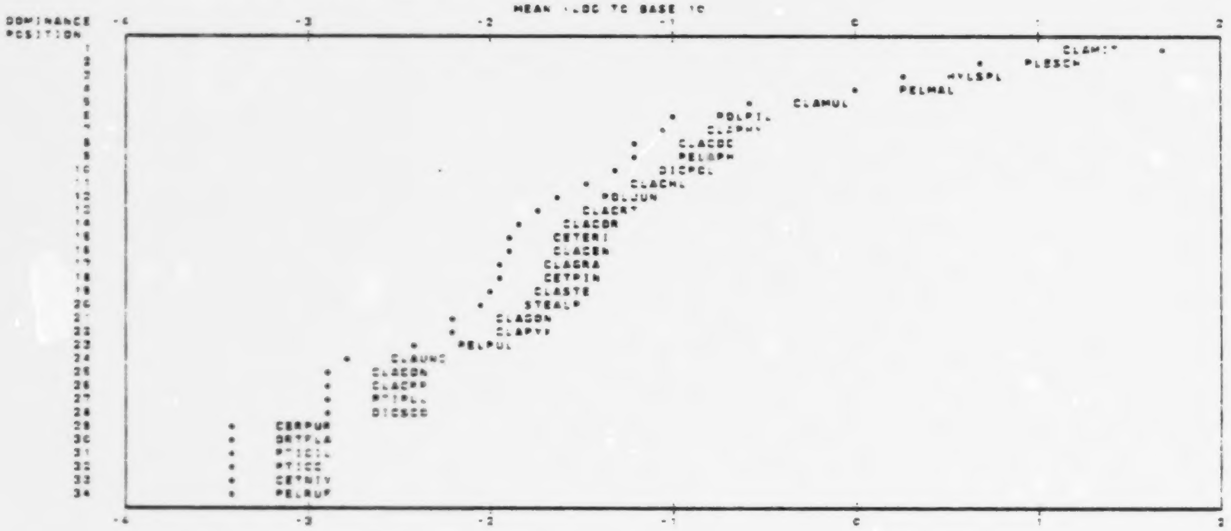
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU17							
	0A	020	2	65 200	12	66 220	14
	0C	010	1	10 170	9	10 180	10
	0E	220	4	16 230	7	16 450	11
	0G	100	1	62 180	11	62 280	12
	0I	64 010	4	2 210	4	66 220	8
	2I	11 110	4	43 150	10	54 260	14
	2G	210	3	82 180	11	82 390	14
	2E	1 260	7	12 650	13	13 890	20
	2C	1 030	4	26 750	14	27 780	18
	2A	20 120	4	42 180	12	62 300	16
	4A	2 100	3	25 460	14	27 560	17
	4C	1 120	4	63 370	12	64 490	16
	4E	60 020	4	9 370	12	69 390	16
	4G	1 130	5	62 190	13	63 320	18
	4I	010	1	51 180	11	51 190	12
	6I	0 0	6	80 360	10	80 380	10
	6G	130	4	70 160	8	70 290	12
	6E	120	3	68 260	11	68 380	14
	6C	120	3	57 170	11	57 290	14
	6A	020	2	60 300	13	60 320	15
	8A	100	1	80 370	11	80 470	12
	8C	030	3	20 270	10	20 300	13
	8E	300	3	61 270	11	61 570	14
	8G	020	2	75 200	12	75 220	14
	8I	1 010	2	56 250	9	57 260	11
Mean		6 57200	2 96	42 93318	10 84	55 52517	12 80

Honde-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE $182825 (CREATION DATE = 04/16/83) Stand 1 (42 y old Jack Pine) 1982 Bryoid Cover % Data (5x5 m
SUBFILE A017

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Dicranum polysetum	DICPOL	25	48.000	0.04800	0.19931	0.03986	0.83046	0.0	1.00000
Hylocomium splendens	HYLSPL	25	20.000	1.76800	7.55907	1.51181	0.85510	0.0	40.00000
Orthodicranum flagellare	ORTFLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pleurozium schreberi	PLESCH	25	72.000	4.82880	12.86051	2.57210	0.53267	0.0	60.00000
Polytrichum juniperinum	POLJUN	25	64.000	0.02440	0.03885	0.00777	0.31841	0.0	0.10000
Polytrichum piliferum	POLPIL	25	44.000	0.09800	0.27389	0.05478	0.55896	0.0	1.00000
Ptilidium ciliare	PTICIL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilium crista-castrensis	PTICC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cetraria ericetorum	CETERI	25	60.000	0.01320	0.02657	0.00531	0.40259	0.0	0.10000
Cetraria nivalis	CETNIV	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cetraria pinastri	CETPIN	25	76.000	0.01120	0.01900	0.00380	0.33928	0.0	0.10000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	52.000	0.01240	0.02681	0.00536	0.43249	0.0	0.10000
Cladonia chlorophaea	CLACHL	25	72.000	0.03240	0.04323	0.00865	0.26686	0.0	0.10000
Cladonia coccifera	CLACOC	25	72.000	0.06480	0.19855	0.03971	0.61284	0.0	1.00000
Cladonia coniocraea	CLACON	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia crispata	CLACRP	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia cristatella	CLACRI	25	76.000	0.01840	0.03105	0.00621	0.33748	0.0	0.10000
Cladonia fimbriata	CLAFIM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	64.000	0.00640	0.00490	0.00098	0.15309	0.0	0.01000
Cladonia gracilis	CLAGRA	25	80.000	0.01160	0.01886	0.00377	0.32518	0.0	0.10000
Cladina mitis	CLAMIT	25	100.000	47.36000	26.26290	5.25258	0.11091	2.00000	80.00000
Cladonia multiformis	CLAMUL	25	96.000	0.26880	0.37438	0.07488	0.27856	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	32.000	0.08800	0.27840	0.05568	0.63270	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina stellaris	CLASTE	25	24.000	0.00960	0.02746	0.00549	0.57208	0.0	0.10000
Cladonia uncialis	CLAUNC	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	36.000	0.06120	0.19865	0.03973	0.65246	0.0	1.00000
Peltigera malacea	PELMAL	25	68.000	0.95600	0.97027	0.19405	0.20047	0.0	3.00000
Peltigera pulverulenta	PELPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Stereocaulon alpinum	STEALP	25	20.000	0.00920	0.02753	0.00551	0.59831	0.0	0.10000
Cladonia cornuta	CLACOR	25	80.000	0.01520	0.02584	0.00517	0.33998	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Dicranum scoparium	DICSCO	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000

BASED ON 34 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.7286
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.6191 (NATURAL LOGARITHMS)

34 OF THE 40 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 55.5352



Hondo-Slave Lake Stand 1 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 9
Statistics for Synthetic Cover and Species Richness Variables
FILE S162825 (CREATION DATE = 04/18/83) Stand 1 (42 y old Jack Pine) 1982 Bryoid Cover % Data 5x5 m)
SUBFILE AUT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	88 000	6 57200	17 27107	3 45421	0 52560	0 0	64 00999
Mean Bryophyte Species Richness	BRYOPHRP	25	88 000	2 96000	1 54066	0 30811	0 10401	0 0	7 00000
Mean Lichen Cover	LICHENCV	25	100 000	46 98216	25 05195	5 21229	0 10646	3 21000	82 17998
Mean Lichen Species Richness	LICHENRP	25	100 000	10 64000	2 23016	0 44602	0 04115	4 00000	14 00000
Mean Cover of All Species	TOTALCV	25	100 000	55 53519	22 54624	4 50965	0 08120	10 18000	82 38997
Mean Richness of All Species	TOTALRP	25	100 000	13 60000	2 82543	0 56509	0 04099	8 00000	20 00000

SEADYN Project Nemag-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	BRASAL	CERPUR	DICPOL	DREUNC	EURPUL	HYLSPL	PLESCH	POLJUN	POLPIL	PTICIL	PTICC	PTIPUL	CETERI	CETNIV	CETPIN	CLACHL
MA07	1B	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	.010	0.0
	1D	1.000	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	3.000	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	3J	1.000	0.0	.100	0.0	0.0	3.000	30.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.010	0.0	0.0	.100	75.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	3D	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010	.010
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	.100	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	.100	0.0	0.0	0.0	.010	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	.010	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	1.000	0.0	.010	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9B	0.0	0.0	0.0	0.0	0.0	1.000	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	.100	0.0	.100	0.0	0.0	0.0	1.000	0.0	0.0	0.0	1.000	.100	0.0	0.0	0.0	0.0
	9F	1.000	0.0	0.0	0.0	0.0	0.0	15.000	0.0	0.0	0.0	7.000	0.0	0.0	0.0	.010	0.0
	9H	0.0	0.0	.010	0.0	0.0	0.0	3.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	.010	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
Mean		.16840	0	.01320	0	0	.12400	8.5037	.00040	.24440	0	.55680	.00840	.04400	0	.12680	.00080
JN23	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	.100	0.0
	1D	1.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	3J	1.000	0.0	0.0	0.0	0.0	5.000	25.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.100	0.0	0.0	2.000	80.000	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	.010	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	.010	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.000	0.0	0.0	0.0	.100	0.0	.010	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0
	7J	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0
	7F	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9B	0.0	0.0	0.0	0.0	0.0	1.000	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	1.000	.100	0.0	0.0	0.0	0.0
	9F	1.000	0.0	0.0	0.0	0.0	0.0	15.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	.100
Mean		.16400	0	.00880	0	0	.32000	8.8824	.00040	.60000	0	.57240	.00400	.04440	0	.08520	.00400
JL21	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	1D	1.000	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	3.000	0.0
	1F	0.0	0.0	.010	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	2.000	0.0	.100	0.0	0.0	5.000	45.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.100	0.0	0.0	1.000	80.000	.010	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	0.0	.100	.010	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	.100
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0
	7J	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	7F	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	.100	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	15.000	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	.010	0.0	0.0	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
Mean		.16400	0	.01720	0	0	.24800	9.3404	.00120	.16000	0	.38440	0	.04440	0	.12160	.00400
AU28	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	1D	.100	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	1.000	0.0
	1F	0.0	0.0	.010	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	3.000	0.0	.010	0.0	0.0	1.000	50.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	.100	0.0	0.0	10.000	50.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	3D	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	.010	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	.100	0.0
	7J	0.0	0.0	0.0	0.0	.010	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	.010	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9B	0.0	0.0	0.0	0.0	0.0	.100	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	2.000	0.0	.100	0.0	.010	0.0	1.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9F	.100	0.0	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 7x7 m Plots

Date	Plot	BRASAL	CERPUR	DICPOL	DREUNC	EURPUL	HYLSPL	PLESCH	POLJUN	POLPIL	PTICIL	PTICC	PTIPUL	CETERI	CETNIV	CETPIN	CLACHL
	9H	0 0	0 0	100	0 0	0 0	0 0	3 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0
	9L	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	010
Mean		20680	0	01720	0	00020	44400	6 8244	00040	24400	60080	15840	0	04440	0	04800	00120
8010																	
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	100	0 0	010	0 0
	1D	1 000	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	100	0 0	0 0	0 0	000	0 0
	1F	0 0	0 0	010	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	010	0 0
	1L	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3L	2 000	0 0	100	0 0	0 0	1 000	30 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0
	3N	0 0	0 0	100	0 0	0 0	2 000	60 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	3P	0 0	0 0	100	100	0 0	0 0	1 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	100	0 0	0 0	0 0	010	0 0
	5B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	010
	5L	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0
	7L	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	7N	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7P	0 0	0 0	010	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	100	65 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	2 000	0 0	010	0 0	0 0	0 0	100	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	9F	1 000	0 0	0 0	0 0	0 0	0 0	20 000	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	010	0 0	0 0	100	2 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	9L	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0
Mean		24040	0	01360	00400	0	12400	5 0044	00040	32040	12080	39840	0	00840	0	04800	00040

TRANSPACE REQUIRED 600 BYTES
5 TRANSFORMATIONS
6 RECODE VALUES + LAG VARIABLES
47 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED 0.32 SECONDS

```
45 REPORT      FORMAT = NOSPACE(1) BRKSPACE(0) PTSPACE(0) LIST
46             VARIABLES = PLOTNO Plot(4) CLACOC TO PARSUL (1)
47             HEAD = 'SEADYN Project: Hondo-Slave Lake Stand 2'
48             'Monthly Survey of Bryophyte and Lichen Community'
49             'Species Cover % Values by 7x7 m Plots'
50             BREAK = SUBFILE(Date)(4)
51             SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2736 BYTES FOR THIS TASK

SEADYN Project Mongo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACOC	CLACON	CLACOR	CLACRP	CLACRT	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSU.
MAR07																	
	1B	.010	0.0	0.0	0.0	0.0	0.0	.100	80.000	0.0	1.000	0.0	0.0	0.0	1.000	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	.100	0.0	0.0	0.0	.010	60.000	.100	.100	0.0	1.000	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	.100	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	.010	0.0	0.0	0.0	.010	2.000	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	.010	30.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	.010	1.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	.010	0.0	.100	0.0	.010	0.0	1.000	40.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	.100	0.0	0.0	0.0	.010	25.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	.010	0.0	0.0	0.0	0.0	.100	20.000	.010	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	.010	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	.010	0.0	0.0	0.0	0.0	0.0	.100	75.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	.010	70.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	.010	30.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
Mean		.00120	.00040	.01280	0	.00040	0	.05880	27.322	.07280	.12440	0	.04000	.00400	.04040	0	.00400

Date	Plot	CLACOC	CLACON	CLACOR	CLACRP	CLACRT	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSU.
JN22																	
	1B	.010	0.0	0.0	0.0	0.0	0.0	.100	75.000	0.0	.100	0.0	1.000	0.0	.100	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.000	.100	.100	0.0	.100	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	.010	2.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	.010	0.0	1.000	50.000	.010	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	.010	10.000	.100	1.000	0.0	0.0	0.0	0.0	.010	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.000	.100	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	.100	20.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7J	.010	0.0	0.0	0.0	0.0	0.0	0.0	2.000	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	.010	75.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	.010	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	.100	0.0	0.0	0.0	.010	25.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.00080	0	.00400	0	.00040	0	.05000	27.924	.14520	.10000	0	.04400	.00400	.00400	.00040	0

Date	Plot	CLACOC	CLACON	CLACOR	CLACRP	CLACRT	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSU.
JL28																	
	1B	.010	0.0	0.0	0.0	0.0	0.0	1.000	80.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.000	1.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	.010	2.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	.100	30.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	.010	1.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.000	0.0	.010	0.0	.010	0.0	0.0	0.0	0.0
	5B	0.0	0.0	.010	0.0	.010	0.0	1.000	55.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	.100	0.0	0.0	0.0	.010	20.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	.100	85.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	.010	0.0	0.0	0.0	.010	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	.010	0.0	0.0	0.0	.100	70.000	.010	.100	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	.010	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	.010	25.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100
Mean		.00040	0	.00520	0	.00040	0	.09440	27.808	.15040	.05280	0	.00080	.00400	0	0	.00400

Date	Plot	CLACOC	CLACON	CLACOR	CLACRP	CLACRT	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSU.
AU28																	
	1B	0.0	0.0	0.0	0.0	.010	0.0	.100	85.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	.010	0.0	0.0	0.0	0.0	40.000	.100	.100	0.0	.100	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	.010	4.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	.010	0.0	0.0	0.0	0.0	25.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.000	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	.010	0.0	0.0	0.0	1.000	60.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	.100	0.0	0.0	0.0	0.0	10.000	.010	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	.100	70.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	.010	0.0	0.0	0.0	0.0	20.000	.010	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	.010	85.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	.100	0.0	0.0	0.0	0.0	0.0	0.0	60.000	.100	.100	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	.010	25.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project. Monge-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by [illegible] Plots

Date	Plot	CLACOC	CLACON	CLACOP	CLACRP	CLACRT	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSUL
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00400	0	00550	0	00080	0	04820	28 884	11280	05400	0	00400	00400	00400	0	0
0210																	
	1B	010	0 0	0 0	0 0	0 0	0 0	010	60 000	0 0	100	0 0	100	0 0	100	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	15 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	010	0 0	0 0	0 0	0 0	60 000	1 000	0 0	0 0	100	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	100	3 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	20 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	010	0 0	100	40 000	0 0	100	0 0	0 0	010	0 0	0 0	0 0
	5D	0 0	0 0	100	0 0	0 0	0 0	0 0	15 000	010	1 000	0 0	0 0	0 0	0 0	010	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	100	55 000	010	010	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	010	0 0	0 0	0 0	0 0	20 000	010	100	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	010	100	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	60 000	100	100	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	010	0 0	0 0	0 0	010	80 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	010	0 0	0 0	0 0	0 0	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00040	0	00560	0	00040	0	01280	24 144	07000	05640	0	00840	00440	00400	00040	0

SEADYN Project Monge-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x7 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	DRTFLA	DICSCO	CLACEN
MA07								
	1B	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	5.000	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	7.000	5.000	0.0	1.000	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	.010	0.0	.100	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	.010	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		28000	48040	0	04400	00040	0	0
JN22								
	1B	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	2.000	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	7.000	10.000	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		28000	58000	0	0	0	0	0
JL26								
	1B	0.0	.100	0.0	.100	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	4.000	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	5.000	7.000	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5B	0.0	.100	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		20000	49200	0	00400	0	0	0
AU25								
	1B	0.0	1.000	0.0	.010	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	6.000	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	5.000	20.000	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	.010	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x7 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	BRYPLA	DICSCO	CLACEN
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.20000	1.2500	0	.00050	0	0	0
OCT10								
	[illegible]	0.0	.100	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	1.000	15.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	.010	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.32000	.78440	0	0	0	0	0

SEADYL Project. Hence-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MA07							
	1B	1 100	2	83 220	8	84 220	10
	1D	3 100	3	23 000	2	26 100	5
	1F	1 000	1	66 310	7	67 310	8
	1H	0 0	0	3 210	4	3 210	4
	1J	100	1	2 040	5	2 140	6
	3J	33 200	5	0 0	0	33 200	5
	3H	80 110	4	0 0	0	80 110	4
	3F	200	2	43 120	7	43 320	9
	3D	020	2	2 010	3	2 030	5
	3B	7 010	2	35 110	3	42 120	5
	5B	6 000	1	41 230	7	47 230	8
	5D	0 0	0	28 120	5	28 120	5
	5F	2 000	2	60 100	2	62 100	4
	5H	010	1	20 150	7	20 160	8
	5J	010	1	85 210	4	85 220	5
	7J	210	3	2 100	2	2 310	5
	7H	010	1	78 120	5	78 130	6
	7F	030	2	71 020	4	71 040	6
	7D	0 0	0	30 120	4	30 120	4
	7B	0 0	0	3 100	2	3 100	2
	9B	81 000	2	2 010	2	83 010	4
	9D	2 310	6	100	1	2 410	7
	9F	23 000	3	100	1	23 100	4
	9H	3 020	3	41 010	2	44 030	5
	9J	0 0	0	120	3	120	3
Mean		9 77720	1 88	28 66518	3 64	38 40239	5 52
JN22							
	1B	0 0	2	78 410	9	78 410	9
	1D	1 100	2	22 000	2	23 100	4
	1F	100	1	67 300	5	67 400	6
	1H	0 0	0	4 120	4	4 120	4
	1J	0 0	0	2 120	4	2 120	4
	3J	31 100	4	0 0	0	31 100	4
	3H	85 100	4	0 0	0	85 100	4
	3F	020	2	43 000	4	43 020	6
	3D	0 0	0	2 010	3	2 010	3
	3B	8 100	2	30 010	2	38 110	4
	5B	10 000	1	51 230	7	61 230	8
	5D	0 0	0	11 130	6	11 130	6
	5F	1 100	2	65 200	3	66 300	5
	5H	0 0	0	20 300	4	20 300	4
	5J	0 0	0	85 200	3	85 200	3
	7J	110	2	2 020	3	2 130	5
	7H	010	1	75 110	4	75 120	5
	7F	010	1	81 010	3	81 020	4
	7D	0 0	0	28 210	4	28 210	4
	7B	0 0	0	4 000	2	4 000	2
	9B	81 000	2	1 020	3	82 020	5
	9D	2 300	5	0 0	0	2 300	5
	9F	26 000	3	100	1	26 100	4
	9H	5 000	1	61 010	3	66 010	4
	9J	0 0	0	200	2	200	2
Mean		10 28200	1 32	28 30829	3 24	38 57039	4 56
JL28							
	1B	1 000	1	82 220	8	83 220	9
	1D	3 010	2	22 000	2	25 010	5
	1F	110	2	48 100	4	48 210	6
	1H	0 0	0	4 120	4	4 120	4
	1J	100	1	2 110	3	2 210	4
	3J	52 200	5	0 0	0	52 200	5
	3H	86 110	5	0 0	0	86 110	5
	3F	220	4	43 110	6	43 330	10
	3D	010	1	2 010	2	2 020	4
	3B	4 100	2	35 120	4	39 220	6
	5B	3 000	1	56 130	6	59 130	7
	5D	0 0	0	21 110	4	21 110	4
	5F	100	1	65 200	3	65 300	4
	5H	0 0	0	20 130	5	20 130	5
	5J	0 0	0	85 100	2	85 100	2
	7J	100	1	1 000	1	1 100	2
	7H	010	1	70 230	6	70 240	7
	7F	010	1	80 110	2	80 120	4
	7D	0 0	0	25 110	2	25 110	3
	7B	0 0	0	2 100	2	2 100	2
	9B	85 100	2	100	1	85 200	3
	9D	2 200	4	0 0	0	2 200	4
	9F	18 000	2	100	1	18 100	3
	9H	2 110	3	81 000	2	83 110	5
	9J	0 0	0	110	2	110	2
Mean		10 29880	1 80	28 67679	3 04	38 27639	4 84
AU25							
	1B	100	1	67 220	7	67 320	8
	1D	1 110	3	21 100	3	22 210	6
	1F	110	2	48 310	6	48 420	8
	1H	0 0	0	4 120	4	4 120	4
	1J	100	1	2 010	2	2 110	3
	3J	54 010	4	0 0	0	54 010	4
	3H	85 100	4	0 0	0	85 100	4
	3F	200	2	51 020	6	51 220	8
	3D	010	1	2 000	2	2 010	3
	3B	11 000	2	30 020	3	41 020	5
	5B	6 000	1	61 120	5	67 120	6
	5D	0 0	0	11 110	4	11 110	4
	5F	200	2	70 210	6	70 410	8
	5H	0 0	0	26 130	5	26 130	5
	5J	0 0	0	85 220	5	85 220	5
	7J	210	3	1 100	2	1 310	5
	7H	010	1	80 300	4	80 310	5
	7F	110	2	80 300	4	80 410	6
	7D	0 0	0	28 110	3	28 110	3
	7B	0 0	0	2 110	3	2 110	3
	9B	85 100	2	1 000	1	86 100	3
	9D	4 110	5	0 0	0	4 110	5
	9F	12 100	2	100	1	12 200	4

SEADYN Project Mango-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7 m Plots

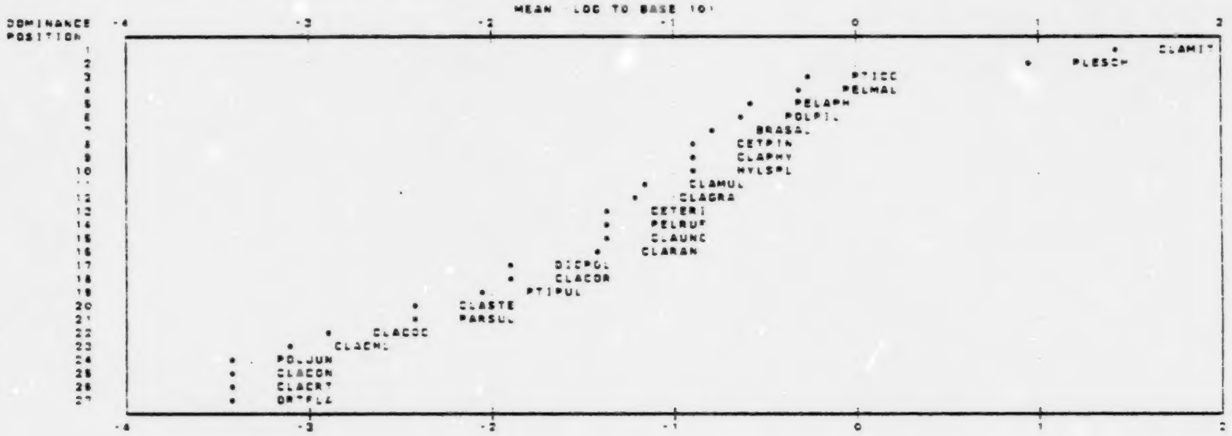
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	2 110	2	68 300	2	71 110	5
	9J	0 0	0	020	2	020	2
Mean		10 50760	56	28 50519	2 12	39 01279	4 80
[illegible]							
	1B	010	.	50 530	5	50 540	10
	1D	2 100	2	16 100	2	18 200	5
	1F	020	2	54 110	5	54 130	7
	1H	0 0	0	3 220	5	3 220	5
	1J	100	1	2 010	2	2 110	3
	3J	33 110	5	0 0	0	33 110	5
	3H	87 100	4	0 0	0	87 100	4
	3F	210	4	53 100	4	54 310	8
	3D	0 0	0	200	2	200	2
	3B	5 100	2	20 020	3	25 120	5
	5B	8 000	1	40 230	6	48 230	7
	5D	0 0	0	18 120	5	18 120	5
	5F	2 000	2	55 120	4	57 120	6
	5H	0 0	0	20 140	6	20 140	6
	5J	0 0	0	85 210	4	85 210	4
	7J	110	2	2 000	.	2 110	3
	7H	010	1	80 200	3	80 210	4
	7F	020	2	80 120	4	80 140	6
	7D	0 0	0	35 110	3	35 110	3
	7B	0 0	0	3 100	2	3 100	2
	9B	85 100	2	000	.	85 100	2
	9D	3 110	4	0 0	0	3 110	4
	9F	24 000	3	100	.	24 100	4
	9H	2 210	4	2 000	2	23 210	6
	9J	0 0	0	010	.	010	.
Mean		10 12240	.72	25 94999	3 04	36 08239	4 76

Hondo-Slave Lake Stand 2 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S2628.5 (CREATION DATE = 04/16/83) Stand 2 (82 y old Jack Pine) 1982 Bryoid Cover % Data 7x 7 m
SUBFILE MA07

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	28.000	0.15840	0.37144	0.07429	0.44113	0.0	1.00000
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	24.000	0.01320	0.03266	0.00658	0.49816	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurhynchium pulchellum	EURPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	12.000	0.12400	0.43901	0.08780	0.70809	0.0	2.00000
Pleurozium schreberi	PLESCH	25	60.000	8.60920	21.75820	4.35164	0.50546	0.0	80.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum piliferum	POLPIL	25	12.000	0.24440	1.19925	0.23985	0.98138	0.0	6.00000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	32.000	0.56880	1.68241	0.33648	0.59156	0.0	7.00000
Ptilidium pulcherrimum	PTIPUL	25	12.000	0.00840	0.02764	0.00553	0.65811	0.0	0.10000
Cetraria ericetorum	CETERI	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	56.000	0.12880	0.59849	0.11970	0.92933	0.0	3.00000
Cladonia chlorophaea	CLACHL	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia coccifera	CLACOC	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	48.000	0.05880	0.19940	0.03988	0.67824	0.0	1.00000
Cladina mitis	CLAMIT	25	88.000	27.32800	29.12654	5.82531	0.21316	0.0	85.00000
Cladonia multiformis	CLAMUL	25	44.000	0.07280	0.19872	0.03974	0.54592	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	20.000	0.12440	0.33061	0.06612	0.53152	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Cladina stellaris	CLASTE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia uncialis	CLAUNC	25	8.000	0.04040	0.19992	0.03999	0.98974	0.0	1.00000
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parmelia sulcata	PARSUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera aphthosa	PELAPH	25	4.000	0.28000	1.40000	0.28000	1.00000	0.0	7.00000
Peltigera malacea	PELMAL	25	20.000	0.48040	1.38790	0.27758	0.57781	0.0	5.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Orthodicranum flagellare	ORTFLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 27 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5572
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.9045 (NATURAL LOGARITHMS)

27 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 38.4024

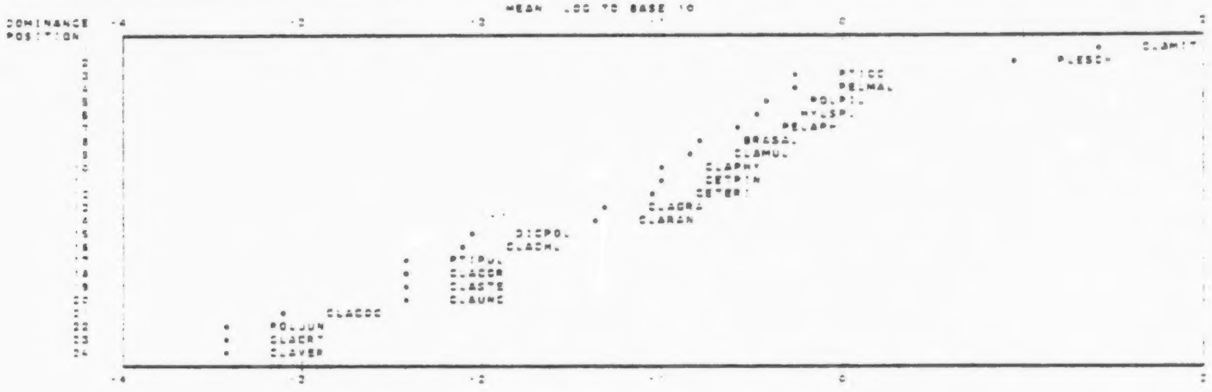


Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey   04/16/83   PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S2828 S (CREATION DATE = 04/16/83) Stand 2 (62 y old Jack Pine) 1982 Bryoid Cover % Data (7x7 m)
SUBFILE JN22

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	20.000	0.16400	0.37282	0.07456	0.45478	0.0	1.00000
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	16.000	0.00880	0.02759	0.00552	0.62696	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurhynchium pulchellum	EURPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	12.000	0.32000	1.08927	0.21785	0.68079	0.0	5.00000
Pleurozium schreberi	PLESCH	25	44.000	8.88240	23.66005	4.73201	0.53274	0.0	80.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum piliferum	POLPIL	25	4.000	0.40000	2.00000	0.40000	1.00000	0.0	10.00000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	28.000	0.57240	2.05883	0.41177	0.71937	0.0	10.00000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria ericetorum	CETERI	25	16.000	0.08440	0.27629	0.05526	0.65471	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	52.000	0.09670	0.38764	0.07753	0.80169	0.0	2.00000
Cladonia chlorophaea	CLACHL	25	8.000	0.00860	0.02789	0.00558	0.64862	0.0	0.10000
Cladonia coccifera	CLACOC	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	32.000	0.05000	0.18971	0.03794	0.75877	0.0	1.00000
Cladina mitis	CLAMIT	25	64.000	27.92400	35.96790	7.19358	0.25761	0.0	85.00000
Cladonia multiformis	CLAMUL	25	48.000	0.14520	0.32489	0.06498	0.44750	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	24.000	0.10000	0.27386	0.05477	0.54772	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Cladina stellaris	CLASTE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia uncialis	CLAUNC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.28000	1.40000	0.28000	1.00000	0.0	7.00000
Peltigera malacea	PELMAL	25	16.000	0.56000	2.02237	0.40447	0.72226	0.0	10.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 24 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5464
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.9361 NATURAL LOGARITHMS

24 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 39.6704

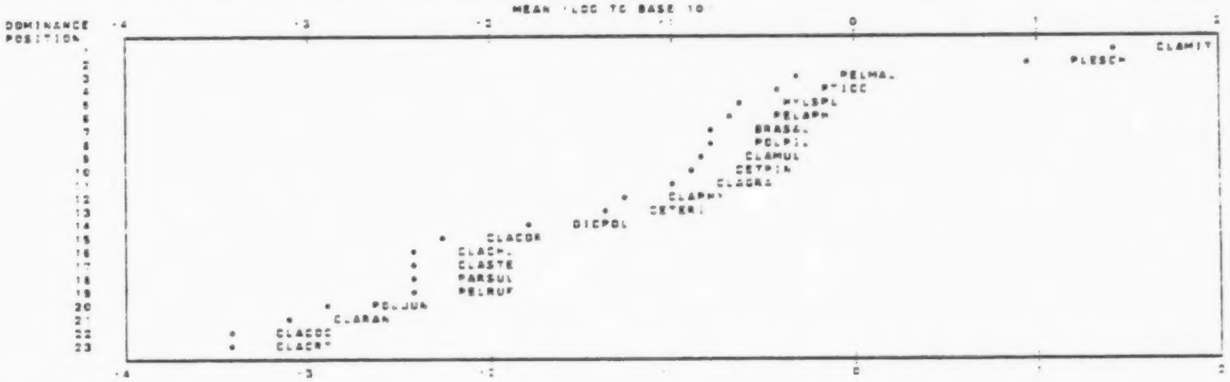


Hondo-Slave Lake Stand 2 1982 Bryoid Comm Monitr, Survey 04/16/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S2628 1 (CREATION DATE = 04/16/83 Stand 2 (62 y old Jack Pine 1982 Bryoid Cover % Data : 7x 7 m
SUBFILE JL28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	16 000	0 18400	0 47159	0 09432	0 57611	0 0	2 00000
Ceratodon purpureus	CERPUR	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Dicranum polysetum	DICPOL	25	28 000	0 01720	0 03703	0 00741	0 43065	0 0	0 10000
Drepanocladus uncinatus	DREUNC	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Eurhynchium pulchellum	EURPUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Hylocomium splendens	HYLSPL	25	16 000	0 24800	1 01000	0 20200	0 81452	0 0	5 00000
Pleurozium schreberi	PLESCH	25	52 000	8 34040	23 90779	4 78156	0 57192	0 0	85 00000
Polytrichum juniperinum	POLJUN	25	12 000	0 00120	0 00332	0 00066	0 55277	0 0	0 01000
Polytrichum piliferum	POLPIL	25	8 000	0 16000	0 62450	0 12490	0 78062	0 0	3 00000
Ptilidium ciliare	PTICIL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Ptilium crista-castrensis	PTICC	25	28 000	0 36880	1 14782	0 22956	0 62246	0 0	5 00000
Ptilidium pulcherrimum	PTIPUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cetraria ericetorum	CETERI	25	16 000	0 04480	0 20000	0 04000	0 89287	0 0	1 00000
Cetraria nivalis	CETNIV	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cetraria pinastri	CETPIN	25	24 000	0 12160	0 43928	0 08785	0 72246	0 0	2 00000
Cladonia chlorophaea	CLACHL	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Cladonia coccifera	CLACOC	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Cladonia coniocraea	CLACON	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia cornuta	CLACOR	25	16 000	0 00520	0 02002	0 00400	0 77015	0 0	0 10000
Cladonia crispata	CLACRP	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia cristatella	CLACRT	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Cladonia gonecha	CLAGON	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia gracilis	CLAGRA	25	44 000	0 09440	0 27445	0 05489	0 58147	0 0	1 00000
Cladina mitis	CLAMIT	25	84 000	27 80800	30 28950	6 05790	0 21785	0 0	85 00000
Cladonia multiformis	CLAMUL	25	36 000	0 14040	0 32642	0 06529	0 46495	0 0	1 00000
Cladonia phyllophora	CLAPHY	25	24 000	0 05280	0 20005	0 04001	0 75777	0 0	1 00000
Cladonia pyxidata	CLAPYX	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladina rangiferina	CLARAN	25	8 000	0 00080	0 00277	0 00055	0 69222	0 0	0 01000
Cladina stellaris	CLASTE	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Cladonia uncialis	CLAUNC	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia verticillata	CLAVER	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Parmelia sulcata	PARSUL	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Peltigera aphthosa	PELAPH	25	4 000	0 20000	1 00000	0 20000	1 00000	0 0	5 00000
Peltigera malacea	PELMAL	25	24 000	0 49200	1 58081	0 31617	0 64262	0 0	7 00000
Peltigera pulverulenta	PELPUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera rufescens	PELRUF	25	4 000	0 00400	0 02000	0 00400	1 00000	0 0	0 10000
Orthodicranum flagellare	ORTFLA	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Dicranum scoparium	DICSCO	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia cenotea	CLACEN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0

BASED ON 23 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0 5582
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0 8571 NATURAL LOGARITHMS

23 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 39 2764

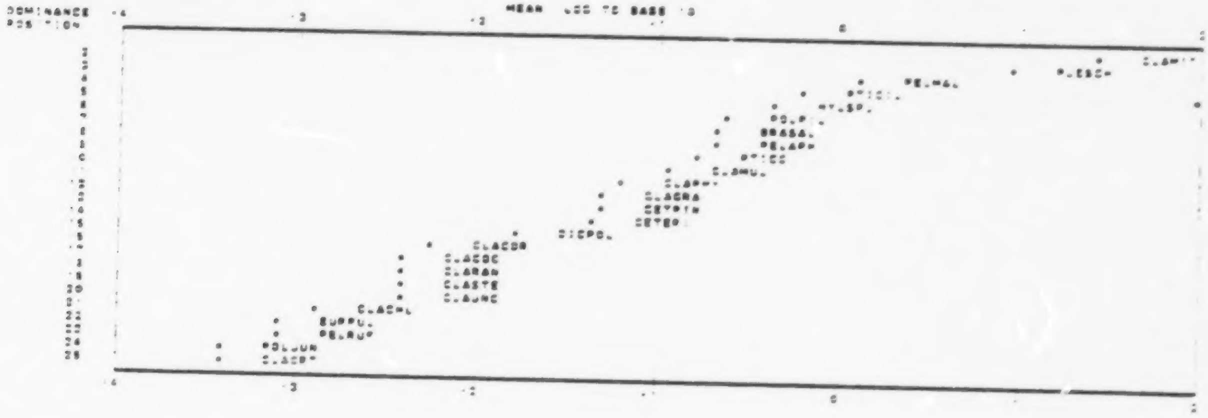


Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand   04/15/83   PAGE 16
FILE S2828 5   CREATION DATE = 04/16/83   Stand 2 (62 y old Jack Pine) 1982 Bryoid Cover % Data [illegible]
SUBFILE AUG8

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	16.000	0.20800	0.70529	0.14106	0.67816	0.0	3.00000
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	28.000	0.01720	0.03703	0.00741	0.43055	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurhynchium pulchellum	EURPUL	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Hylocomium splendens	HYLSPL	25	12.000	0.44400	2.00061	0.40017	0.90128	0.0	10.00000
Pleurozium schreberi	PLESCH	25	60.000	8.52446	21.17471	4.23494	0.49604	0.0	66.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum piliferum	POLPIL	25	8.000	0.24400	1.19822	0.23967	0.98208	0.0	6.00000
Ptilidium ciliare	PTICIL	25	4.000	0.40000	2.00000	0.40000	1.00000	0.0	10.00000
Ptilium crista-castrensis	PTICRI	25	28.000	0.15880	0.67038	0.13408	0.83720	0.0	3.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria ericetorum	CETERI	25	12.000	0.04440	0.20004	0.04001	0.90128	0.0	1.00000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	24.000	0.04800	0.19976	0.03995	0.66441	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia coccifera	CLACOC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	20.000	0.00560	0.02002	0.00400	0.71488	0.0	0.10000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	24.000	0.04920	0.19998	0.04000	0.81282	0.0	1.00000
Cladina mitis	CLAMIT	25	84.000	25.58400	[illegible]	[illegible]	0.22700	0.0	66.00000
Cladonia multiformis	CLAMUL	25	56.000	0.11360	0.27082	0.05412	0.47646	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	28.000	0.06400	0.19975	0.03995	0.62433	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina stellaris	CLASTE	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia uncialis	CLAUNC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Peltigera malacea	PELMAL	25	16.000	1.28000	4.24774	0.84955	0.66371	0.0	20.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 25 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5206
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.9945 NATURAL LOGARITHMS

25 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 39.0128

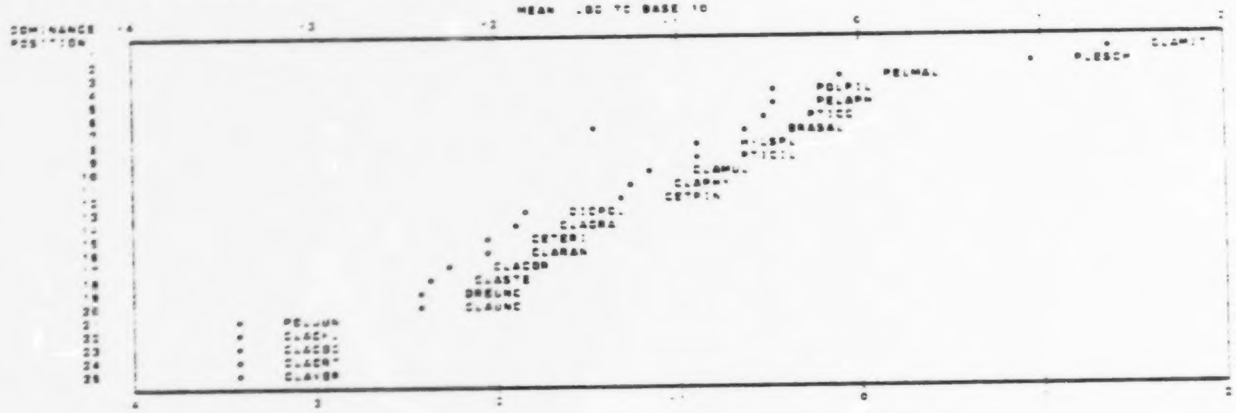


Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE S2628 S (CREATION DATE = 04/18/83) Stand 2 (62 y old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	20.000	0.24040	0.59705	0.11941	0.49672	0.0	2.00000
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	28.000	0.01360	0.03277	0.00655	0.48184	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Eurhynchium pulchellum	EURPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	16.000	0.12800	0.43829	0.08766	0.68483	0.0	2.00000
Pleurozium schreberi	PLESCH	25	52.000	9.00680	23.20925	4.64185	0.51526	0.0	85.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum piliferum	POLPIL	25	8.000	0.32040	1.59982	0.31996	0.99870	0.0	8.00000
Ptilidium ciliare	PTICIL	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Ptilium crista-castrensis	PTICCC	25	36.000	0.29680	1.01731	0.20346	0.68552	0.0	5.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria ericetorum	CETERI	25	12.000	0.00440	0.02764	0.00553	[illegible]	0.0	0.10000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	28.000	0.04806	0.19875	0.03995	0.86644	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia coccifera	CLACOC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	20.000	0.00560	0.02003	0.00400	0.71484	0.0	0.10000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Cladina mitis	CLAMIT	25	84.000	24.64800	27.51055	5.50211	0.22323	0.0	85.00000
Cladonia multiformis	CLAMUL	25	52.000	0.07000	0.19875	0.03975	0.56785	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	24.000	0.05840	0.20006	0.04001	0.70942	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	12.000	0.00840	0.02764	0.00553	0.658[illegible]	0.0	0.10000
Cladina stellaris	CLASTE	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cladonia uncialis	CLAUNC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.32000	1.60000	0.32000	1.00000	0.0	8.00000
Peltigera malacea	PELMAL	25	20.000	0.76440	3.03042	0.60608	0.79289	0.0	15.00000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 25 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5297
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.929[illegible] (NATURAL LOGARITHMS)

25 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 35.0824



Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S2B28 [illegible] CREATION DATE = 04/16/83 Stand 2 [illegible] Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE MAR?

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	88.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	88.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S2B28 [illegible] CREATION DATE = 04/16/83 Stand 2 [illegible] Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S2B28 [illegible] CREATION DATE = 04/16/83 Stand 2 [illegible] Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S2B28 [illegible] CREATION DATE = 04/16/83 Stand 2 [illegible] Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE AUG?

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 17
Statistics for Synthetic Cover and Species Richness Variables
FILE S2B28 [illegible] CREATION DATE = 04/16/83 Stand 2 [illegible] Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project, Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BRASAL	CERPUR	DICPOL	DREUNC	EURPUL	HYLSPL	PLEBCH	POLJUN	POLPIL	PTICIL	PTICE	PTIPUL	CETERI	CETNIV	CETRIN	CLACHL
AU15																	
	0A	0.0	0.0	.010	0.0	0.0	0.0	0.0	.010	.100	0.0	0.0	0.0	.010	0.0	.010	.010
	0C	0.0	0.0	.010	0.0	0.0	0.0	0.0	.010	.100	0.0	0.0	0.0	.100	0.0	.010	.010
	0E	0.0	0.0	.010	0.0	0.0	1.000	.100	.010	1.000	0.0	.010	0.0	0.0	0.0	.010	0.0
	0G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	0.0	.010	.010
	0I	0.0	0.0	.100	0.0	0.0	.100	1.000	.100	0.0	0.0	1.000	.010	0.0	0.0	.100	.010
	2I	0.0	0.0	1.000	0.0	0.0	5.000	10.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	.010
	2C	0.0	0.0	.100	0.0	0.0	.010	15.000	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010	0.0
	2E	.010	.010	.010	0.0	0.0	10.000	35.000	.010	0.0	0.0	1.000	0.0	.010	0.0	1.000	0.0
	2G	0.0	0.0	.100	0.0	0.0	.010	4.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010	.010
	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
	4A	0.0	0.0	.010	0.0	0.0	0.0	1.000	.100	3.000	0.0	0.0	0.0	.100	0.0	.100	0.0
	4C	.010	.010	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0	0.0	0.0	.010	.100
	4E	.010	0.0	.010	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0
	4G	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
	4I	0.0	.100	0.0	0.0	0.0	0.0	0.0	.010	1.000	0.0	0.0	0.0	0.0	0.0	0.0	.010
	6I	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	0.0
	6C	0.0	0.0	0.0	0.0	0.0	.010	.100	.010	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0
	6E	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010	0.0	0.0	0.0	0.0	0.0	0.0	.010	.010
	6G	0.0	0.0	0.0	0.0	0.0	0.0	.010	.100	0.0	0.0	0.0	0.0	.010	0.0	.010	.010
	6A	0.0	0.0	.010	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	.010
	8A	0.0	0.0	0.0	0.0	0.0	1.000	40.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	.010	.010
	8C	0.0	0.0	0.0	0.0	0.0	1.000	.010	0.0	0.0	.010	[illegible]	0.0	0.0	0.0	0.0	.010
	8E	0.0	0.0	0.0	0.0	0.0	3.000	5.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.010	0.0
	8G	.010	0.0	0.0	.010	0.0	5.000	15.000	0.0	0.0	0.0	3.000	0.0	0.0	0.0	.010	0.0
	8I	0.0	.100	.010	0.0	0.0	0.0	.100	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010	.010
Mean		.0180	.0080	.0558	.0004	0	1.0452	5.2840	.0152	.2483	.0044	.3830	.0004	.1084	0	.0558	.1000

TRANSPACE REQUIRED 600 BYTES
1 TRANSFORMATIONS
5 RECODE VALUES + LAG VARIABLES
47 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0.15 SECONDS

```
45 REPORT      FORMAT = NOSPACE / BRKSPACE(0) / TSPACE(0) / LIST
46             VARIABLES = PLOTNE PLOT (A) CLACHL TO PARSUL (4)
47             HEAD = 'SEADYN Project, Hondo-Slave Lake Stand 2'
48             'Monthly Survey of Bryophyte and Lichen Community'
49             'Species Cover % Values by 5x5 m Plots'
50             BREAK = SUBFILE Date (A)
51             SUMMARY = MEAN Mean
```

REPORT REQUIRES 2736 BYTES FOR THIS TASK

SEASYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACOC	CLACON	CLACOR	CLACRP	CLACRT	CLACSN	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASTE	CLAUNC	CLAVER	PARSUL
AU16																	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	PELAPH	PELMAL	PELPUL	PELRUF	ORTFLA	DICSCO	CLACEN
AU16								
	0A	0 0	3 000	0 0	0 0	0 0	0 0	0 0
	0C	0 0	010	0 0	0 0	0 0	0 0	0 0
	0E	100	0 0	0 0	0 0	0 0	0 0	0 0
	0G	0 0	3 000	0 0	0 0	0 0	0 0	0 0
	0I	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	2I	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	2G	010	1 000	0 0	0 0	0 0	0 0	0 0
	2E	0 0	100	0 0	0 0	0 0	0 0	0 0
	2C	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	2A	0 0	4 000	0 0	0 0	0 0	0 0	0 0
	4A	0 0	3 000	0 0	0 0	0 0	0 0	0 0
	4C	0 0	4 000	0 0	0 0	0 0	0 0	0 0
	4E	100	3 000	0 0	0 0	0 0	0 0	0 0
	4G	0 0	5 000	0 0	0 0	010	0 0	010
	4I	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	6I	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	6G	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	6E	0 0	2 000	0 0	0 0	0 0	010	0 0
	6C	010	1 000	0 0	0 0	0 0	0 0	0 0
	6A	0 0	100	0 0	0 0	010	0 0	0 0
	8A	0 0	010	1 000	0 0	010	0 0	0 0
	8C	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8E	100	0 0	0 0	0 0	0 0	0 0	0 0
	8G	000	1 000	0 0	0 0	0 0	0 0	0 0
	8I	0 0	2 000	1 000	0 0	0 0	0 0	0 0
Mean		05280	1 4462	08000	0	00120	00040	00040

SEACYT Project Mongo-Slave Lake Stage 2
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables By Sub-Plots

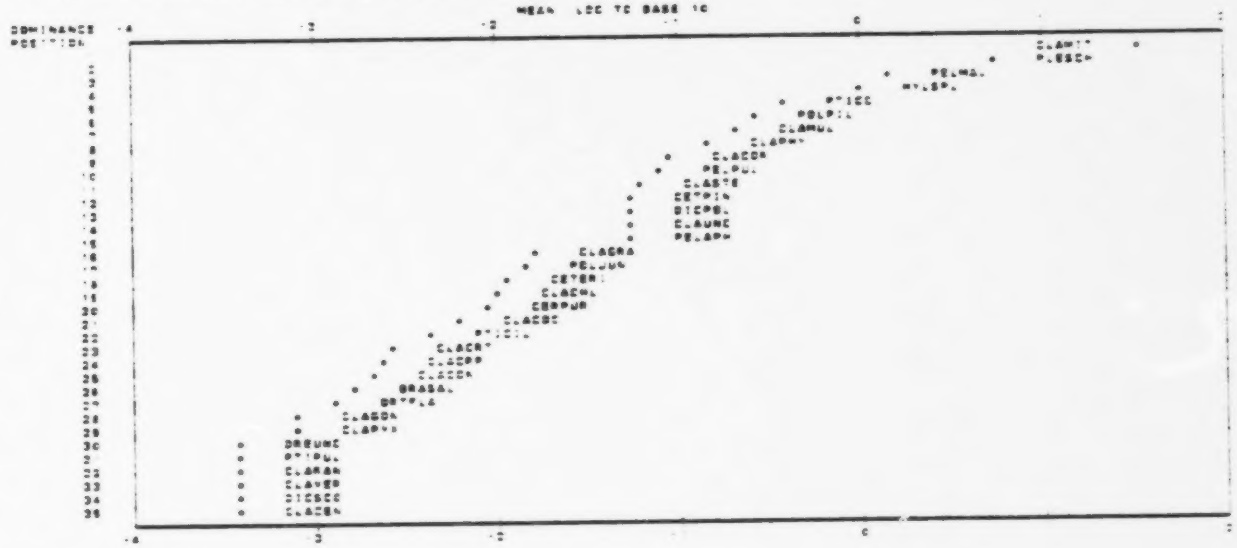
DATE	PLOT	BRYOPHCV	BRYOPHSR	LICHENCV	LICHENSR	TOTALCV	TOTALSR
AUG							
	0A	120	3	77 240	6	77 360	11
	0C	127	3	66 360	11	66 480	14
	0E	2 130	6	66 240	6	68 370	14
	0G	1 000	1	54 150	9	55 150	10
	0	2 310	5	26 150	5	28 460	14
	2I	17 000	4	11 140	[illegible]	28 140	[illegible]
	22	18 210	4	6 050	[illegible]	31 260	11
	2E	46 040	[illegible]	5 230	[illegible]	51 270	14
	2G	8 120	4	22 200	11	30 300	15
	2A	010	1	44 190	12	44 200	12
	4A	4 110	6	38 250	10	43 360	16
	4C	050	5	51 540	12	51 590	17
	4E	1 020	2	56 350	10	58 370	12
	4G	010	1	10 000	11	10 100	12
	4I	1 110	3	92 230	8	93 340	11
	6I	010	1	71 140	7	71 150	8
	8G	120	3	41 030	6	41 150	8
	8E	030	3	44 150	10	44 180	13
	8C	10	2	16 270	11	16 280	13
	6A	030	2	8 380	12	8 410	15
	8A	6 020	6	9 240	8	56 260	12
	6C	3 020	4	6 120	6	9 140	8
	8E	5 300	3	4 210	6	13 210	7
	6C	22 220	6	8 020	9	28 040	12
	6	220	4	66 190	9	66 270	13
Mean		6 99760	2 44	27 38718	8 56	44 38478	12 34

Manoe-Slave Lake Stand 2 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE
Descriptive Statistics for Each Species Variable and the Stand
FILE S282825 CREATION DATE = 04/16/83 Stand 2 (63 y old Jack Pine) 1982 Bryoid Cover % Data (5x5 m
SUBFILE AU16

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Ceratodon purpureus	CERPUR	25	16.000	0.00880	0.02751	0.00552	0.62526	0.0	0.10000
Dicranum polysetum	DICPOL	25	52.000	0.05560	0.18832	0.03767	0.67753	0.0	1.00000
Drepanocladus uncinatus	DREUNC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Eurhynchium pulchellum	EURPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	44.000	1.04520	2.36901	0.47381	0.45332	0.0	10.00000
Pleurozium schreberi	PLESCH	25	72.000	5.25400	10.79662	2.15932	0.41098	0.0	40.00000
Polytrichum juniperinum	POLJUN	25	44.000	0.01520	0.03229	0.00646	0.42487	0.0	0.10000
Polytrichum piliferum	POLPIL	25	36.000	0.24520	0.66042	0.13208	0.53867	0.0	3.00000
Ptilidium ciliare	PTICIL	25	8.000	0.00440	0.02003	0.00401	0.91045	0.0	0.10000
Ptilium crista-castrensis	PTICC	25	28.000	0.36120	0.75880	0.15176	0.41894	0.0	3.00000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cetraria ericetorum	CETERI	25	36.000	0.01080	0.02722	0.00544	0.50416	0.0	0.10000
Cetraria nivalis	CETNIV	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	68.000	0.05160	0.18439	0.03688	0.71364	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	64.000	0.01000	0.01936	0.00387	0.38730	0.0	0.10000
Cladonia coccifera	CLACOC	25	28.000	0.00640	0.01997	0.00399	0.62422	0.0	0.10000
Cladonia coniocraea	CLACON	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cladonia cornuta	CLACOR	25	48.000	0.09160	0.39649	0.07930	0.86567	0.0	2.00000
Cladonia crispata	CLACRP	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Cladonia cristatella	CLACRT	25	28.000	0.00280	0.00458	0.00092	0.32733	0.0	0.01000
Cladonia gonecha	CLAGON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia gracilis	CLAGRA	25	56.000	0.01840	0.03187	0.00637	0.34655	0.0	0.10000
Cladina mitis	CLAMIT	25	100.000	38.12000	23.02136	4.60427	0.12078	3.00000	80.00000
Cladonia multiformis	CLAMUL	25	80.000	0.20240	0.35803	0.07161	0.35378	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	60.000	0.15000	0.32321	0.06464	0.43102	0.0	1.00000
Cladonia pyxidata	CLAPYX	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladina rangiferina	CLARAN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina stellaris	CLASTE	25	44.000	0.05840	0.19951	0.03990	0.68327	0.0	1.00000
Cladonia uncialis	CLAUNC	25	36.000	0.05400	0.18979	0.03796	0.70291	0.0	1.00000
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Parmelia sulcata	PARSUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	24.000	0.05280	0.20001	0.04000	0.75758	0.0	1.00000
Peltigera malacea	PELMAL	25	64.000	1.44880	1.45590	0.29118	0.20098	0.0	5.00000
Peltigera pulverulenta	PELPUL	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orthodicranum flagellare	ORTFLA	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Dicranum scoparium	DICSCO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cenotea	CLACEN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 35 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.6425
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.8323 (NATURAL LOGARITHMS)

35 OF THE 39 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 84.3048



```
[illegible] Slave Lake Stand 2 1982 Bryoid Comm. Monthly Survey
Statistics for Synthetic Cover and Species Richness Variables                04/16/83      PAGE   9
FILE  S282B29   CREATION DATE = 04/16/83    Stand 2 '82 , Old Jack Pine.  1982 Bryoid Cover % Data (Sat n)
SUBFILE  AU'S
```

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	6.95760	12.80723	2.52149	0.36632	0.01000	46.52999
Mean Bryophyte Species Richness	BRYOPHRO	25	100.000	3.68000	1.58436	0.21888	0.09105	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	100.000	27.36[illegible]8	28.80262	5.70053	0.15285	4.21000	82.22999
Mean Lichen Species Richness	LICHENRP	25	100.000	2.55300	2.45281	0.439[illegible]	0.05726	4.00000	12.00000
Mean Cover of All Species	TOTALCV	25	100.000	44.364[illegible]8	24.4[illegible]430	4.88386	0.[illegible]008	6.41000	92.3399[illegible]
Mean Richness of All Species	TOTALRO	25	100.000	12.04000	2.52455	0.5049[illegible]	0.04[illegible]84	7.00000	17.00000

SEADYN Project Hondo-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 1x 1 m Plots

Date	Plot	BRASAL	DICFUS	DICPOL	DICSCO	HYLSPL	DRYFLA	PLACUS	PLESCH	POHNUT	POLJUN	PTICIL	PTICRI	PTIPUL	CETPIN	CLACEN
MA07	1B	0.0	0.0	2.000	0.0	5.000	.010	0.0	30.000	0.0	0.0	0.0	.010	.100	.010	0.0
	1D	0.0	0.0	.010	0.0	.010	1.000	0.0	5.000	4.000	0.0	0.0	5.000	.010	0.0	0.0
	1F	0.0	0.0	0.0	0.0	.100	0.0	0.0	30.000	0.0	0.0	0.0	20.000	0.0	0.0	0.0
	1H	0.0	0.0	2.000	0.0	45.000	0.0	0.0	5.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	1L	.010	0.0	0.0	0.0	10.000	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	.100	0.0	0.0	0.0	0.0	80.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	3H	0.0	0.0	5.000	0.0	0.0	0.0	0.0	60.000	0.0	0.0	0.0	20.000	0.0	0.0	0.0
	3F	0.0	0.0	1.000	0.0	15.000	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	1.000	0.0	1.000	0.0	2.000	0.0	0.0	35.000	0.0	0.0	0.0	15.000	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	2.000	0.0	0.0	80.000	0.0	0.0	0.0	.010	0.0	0.0	0.0
	5B	2.000	0.0	0.0	0.0	.100	0.0	0.0	4.000	0.0	0.0	0.0	10.000	.100	0.0	0.0
	5D	0.0	0.0	1.000	0.0	3.000	0.0	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	1.000	0.0	1.000	0.0	1.000	0.0	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	3.000	0.0	2.000	0.0	0.0	.100	0.0	0.0	0.0	75.000	0.0	0.0	0.0
	5L	.010	0.0	1.000	0.0	10.000	0.0	0.0	20.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	12.000	0.0	60.000	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	7H	5.000	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	.100	0.0	5.000	0.0	0.0	80.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	7D	0.0	0.0	3.000	0.0	0.0	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	5.000	0.0	45.000	0.0	0.0	25.000	0.0	0.0	0.0	0.0	.100	0.0	0.0
	9B	.100	0.0	1.000	0.0	30.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	.100	0.0	0.0	0.0	7.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	.010	.010
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	2.000	0.0	1.000	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	30.000	0.0	0.0	45.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.36880	0	1.1284	0	8.5284	.52040	0	40.004	.16000	0	0	6.4808	.05240	.00080	.00040
JN22	1B	0.0	0.0	2.000	0.0	4.000	0.0	0.0	25.000	0.0	0.0	0.0	.010	.100	.100	0.0
	1D	0.0	0.0	0.0	0.0	0.0	2.000	0.0	5.000	4.000	0.0	0.0	10.000	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	.100	0.0	0.0	25.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	1H	0.0	0.0	2.000	0.0	70.000	0.0	0.0	2.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	1L	0.0	0.0	.100	0.0	5.000	0.0	0.0	40.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	.100	0.0	.010	0.0	0.0	60.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	3H	0.0	0.0	4.000	0.0	0.0	0.0	0.0	65.000	0.0	0.0	0.0	15.000	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	20.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	.100	0.0	.100	0.0	0.0	50.000	0.0	0.0	0.0	20.000	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	3.000	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	4.000	0.0	.100	0.0	2.000	0.0	0.0	2.000	0.0	0.0	0.0	4.000	0.0	0.0	0.0
	5D	0.0	0.0	1.000	0.0	5.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	2.000	0.0	5.000	0.0	1.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	5.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	80.000	0.0	0.0	0.0
	5L	0.0	0.0	1.000	0.0	5.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	8.000	0.0	70.000	0.0	0.0	0.0	0.0	1.000	.010	0.0
	7H	4.000	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	.100	0.0	3.000	0.0	0.0	70.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0
	7D	0.0	0.0	2.000	0.0	.100	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	5.000	0.0	20.000	0.0	0.0	40.000	0.0	0.0	0.0	.100	.100	0.0	0.0
	9B	0.0	0.0	1.000	0.0	25.000	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	0.0	0.0	0.0	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	.010	0.0
	9H	0.0	0.0	.100	0.0	.100	0.0	0.0	75.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	25.000	0.0	0.0	50.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.44000	0	1.1880	0	7.5404	.40000	0	41.280	.16000	0	0	5.9644	.04400	.00480	0
JL21	1B	0.0	0.0	1.000	0.0	10.000	0.0	0.0	60.000	0.0	0.0	0.0	.010	.010	.100	0.0
	1D	0.0	0.0	0.0	0.0	0.0	2.000	0.0	10.000	6.000	0.0	0.0	2.000	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	15.000	0.0	0.0	0.0
	1H	0.0	0.0	2.000	0.0	40.000	0.0	0.0	5.000	0.0	0.0	0.0	.100	0.0	0.0	0.0
	1L	0.0	0.0	.100	0.0	5.000	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	.100	0.0	0.0	0.0	0.0	60.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	3H	0.0	0.0	2.000	0.0	0.0	0.0	0.0	65.000	0.0	0.0	0.0	15.000	0.0	0.0	0.0
	3F	0.0	0.0	.100	0.0	20.000	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	.100	0.0	1.000	0.0	0.0	45.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	2.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	3.000	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	7.000	0.0	0.0	0.0
	5D	0.0	0.0	1.000	0.0	2.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	.010	0.0	1.000	0.0	2.000	0.0	0.0	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	5.000	0.0	1.000	0.0	0.0	1.000	0.0	0.0	0.0	75.000	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	5.000	0.0	0.0	7.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	8.000	0.0	65.000	0.0	0.0	0.0	0.0	.100	0.0	0.0
	7H	3.000	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	2.000	0.0	0.0	80.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	7D	0.0	0.0	.100	.010	.100	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	2.000	0.0	20.000	0.0	0.0	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	1.000	0.0	30.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	2.000	0.0	0.0	0.0	15.000	0.0	0.0	35.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	.010	0.0	0.0	0.0
	9H	0.0	0.0	2.000	0.0	1.000	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	15.000	0.0	0.0	70.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.32040	0	.70400	.00040	6.8440	.22000	0	41.000	.24000	0	0	5.2848	.00440	.00400	0
AU25	1B	0.0	0.0	0.0	1.000	5.000	0.0	0.0	40.000	0.0	0.0	0.0	.010	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	3.000	0.0	10.000	5.000	0.0	0.0	3.000	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	.100	0.0	0.0	25.000	0.0	0.0	0.0	30.000	0.0	0.0	0.0
	1H	0.0	0.0	3.000	0.0	60.000	0.0	0.0	5.000	0.0	0.0	0.0	1.000	.100	0.0	0.0
	1L	0.0	0.0	1.000	0.0	5.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	.100	0.0	0.0	0.0	0.0	75.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	3H	0.0	0.0	10.000	0.0	0.0	0.0	0.0	35.000	0.0	0.0	0.0	25.000	0.0	0.0	0.0
	3F	0.0	0.0	1.000	0.0	20.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	1.000	0.0	2.000	0.0	.100	0.0	0.0	65.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	1.000	0.0	0.0	75.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5B	3.000	0.0	.100	0.0	1.000	0.0	0.0	3.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	5D	0.0	0.0	1.000	0.0	3.000	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	.100	0.0	3.000	0.0	2.000	0.0	0.0	55.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	10.000	0.0	2.000	0.0	0.0	2.000	0.0	0.0	0.0	75.000	0.0	0.0	0.0
	5L	.100	0.0	.100	0.0	2.000	0.0	0.0	15.000	0.0	0.0	0.0	4.000	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	7.000	0.0	60.000	0.0	0.0	0.0	0.0	1.000	.010	0.0
	7H	5.000	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	1.000	0.0	1.000	0.0	0.0	75.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	7D	0.0	0.0	1.000	.010	.010	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	5.000	0.0	25.000	0.0	0.0	30.000	0.0	0.0	0.0	.100	.100	0.0	0.0
	9B	3.000	0.0	2.000	0.0	25.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	2.000	0.0	0.0	0.0	10.000	0.0	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.000	.010	0.0	0.0	.100	0.0	.010	0.0

SEADYN Project: Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7m 7 m Plots

Date	Plot	BRASAL	DICFUS	DICPOL	DIUSCO	HYLSPL	DRTFLA	PLACUS	PLESCH	POHNUT	POLJUN	PTICIL	PTICC	PTIPUL	CETRIN	CLACER
	9H	0.0	0.0	2.000	0.0	1.000	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	25.000	0.0	0.0	50.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		50800	0	.6520	04040	7.5284	40000	0	42.480	20080	0	0	5.2484	04800	00080	0
0C09	1B	0.0	0.0	1.000	0.0	1.000	0.0	0.0	65.000	0.0	0.0	0.0	.010	.100	0.0	0.0
	1D	0.0	0.0	0.0	0.0	.100	1.000	0.0	2.000	2.000	0.0	0.0	2.000	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	.010	0.0	0.0	20.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	1H	0.0	0.0	3.000	0.0	65.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	3.000	0.0	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2L	0.0	0.0	.010	0.0	0.0	0.0	0.0	75.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	3H	0.0	0.0	5.000	0.0	0.0	0.0	0.0	35.000	0.0	0.0	0.0	20.000	0.0	0.0	0.0
	3F	0.0	0.0	1.000	0.0	20.000	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	1.000	0.0	5.000	0.0	0.0	80.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	1.000	0.0	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	5.000	0.0	0.0	0.0	.100	0.0	0.0	1.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	5D	0.0	0.0	.100	0.0	2.000	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	2.000	0.0	5.000	0.0	0.0	45.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	2.000	0.0	.100	0.0	0.0	1.000	0.0	0.0	0.0	80.000	0.0	0.0	0.0
	5L	1.000	0.0	.100	0.0	5.000	0.0	0.0	5.000	0.0	0.0	0.0	12.000	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	5.000	0.0	80.000	0.0	0.0	0.0	0.0	.100	0.0	0.0
	7H	5.000	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	1.000	0.0	0.0	80.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0
	7D	0.0	0.0	1.000	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	2.000	0.0	15.000	0.0	0.0	40.000	0.0	0.0	0.0	.100	.100	0.0	0.0
	9B	2.000	0.0	.100	0.0	20.000	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	2.000	0.0	0.0	0.0	1.000	0.0	0.0	50.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	.010	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	2.000	0.0	3.000	0.0	0.0	60.000	0.0	0.0	0.0	.010	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	30.000	0.0	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		72000	0	85240	0	7.0824	24000	0	42.480	08000	0	0	5.3244	01200	0	0

```
TRANSPACE REQUIRED        800 BYTES
      8 TRANSFORMATIONS
      6 RECODE VALUES + LAG VARIABLES
     24 IF COMPUTE OPERATIONS

CPU TIME REQUIRED      0.30 SECONDS

           41  REPORT        FORMAT = NOSPACE, BRKSPACE 0, FTSPACE 0, LIST
           42                VARIABLES = PLOTNO PLOT (4) CLACHL TO CLAMUL (6)
           43                HEAD = 'SEADYN Project: Hondo-Slave Lake Stand 2'
           44                 'Monthly Survey of Bryophyte and Lichen Community'
           45                 'Species Cover % Values by 7m 7 m Plots'
           46                BREAK = SUBF (F) Date (4)
           47                SUMMARY = MEAN 'Mean'

REPORT REQUIRES    2100 BYTES FOR THIS TASK
```

SEADYN Project, Hondo-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLACOR	CLAGON	CLAGRA	CLAMIT	CLASTE	ICMERI	PELAPH	PELRUF	CLAMUL
MA07	1B	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.10	0.10	0.10	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.00	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0840	0.0120	0	0.0080	0.0040	0.0040	0	0	0	0	0
JN22	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	1.00	0.10	0.10	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0800	0.0040	0	0.0800	0.0040	0.0040	0	0	0	0	0
JL23	1B	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.10	0.0	0.0	0.10	0.0	0.10	0.0	0.0	0.0	0.0	0.0
	7H	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.00	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0880	0.0040	0	0.0080	0.0040	0.0040	0	0	0	0	0
AU25	1B	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.10	0.0	0.0	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.00	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 2
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLACOR	CLADON	CLAGRA	CLAMIT	CLASTE	ICMERI	PELAPH	PELRUF	CLAMUL
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.1000	0.0440	0	0.0080	0.0040	0	0	0	0	0	0
SEPT	1B	0.10	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1C	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.10	0.10	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7M	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0080	0.0520	0	0	0.0040	0.0040	0	0	0	0	0

SEADYN Project Hondo-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community,
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MY07							
	1B	37 120	6	030	3	37 150	9
	1D	15 030	7	100	1	15 130	8
	1F	50 100	3	0 0	0	50 100	3
	1H	53 000	4	0 0	0	53 000	4
	1J	85 010	3	0 0	0	85 010	3
	3J	81 100	3	0 0	0	81 100	3
	3H	85 000	3	0 0	0	85 000	3
	3F	81 000	3	0 0	0	81 000	3
	3D	54 000	5	0 0	0	54 000	5
	3B	82 010	3	0 0	0	82 010	3
	5B	15 200	5	010	1	15 210	6
	5D	84 000	3	0 0	0	84 000	3
	5F	28 000	4	0 0	0	28 000	4
	5H	80 100	4	0 0	0	80 100	4
	5J	36 010	5	0 0	0	36 010	5
	7J	73 000	3	030	3	73 030	6
	7H	6 000	2	0 0	0	6 000	2
	7F	75 100	4	0 0	0	75 100	4
	7D	68 000	2	010	1	68 010	3
	7B	75 100	4	0 0	0	75 100	4
	9B	45 100	4	0 0	0	45 100	4
	9D	22 100	3	0 0	0	22 100	3
	9F	20 000	1	130	4	20 130	5
	9H	78 000	3	0 0	0	78 000	3
	9J	75 000	2	0 0	0	75 000	2
Mean		56 24320	3 56	01240	52	56 25559	4 08
JN22							
	1B	32 110	5	100	1	32 210	6
	1D	21 000	4	100	1	21 100	5
	1F	35 100	3	0 0	0	35 100	3
	1H	76 000	4	0 0	0	76 000	4
	1J	85 100	3	0 0	0	85 100	3
	3J	82 110	4	0 0	0	82 110	4
	3H	84 000	3	0 0	0	84 000	3
	3F	80 100	3	0 0	0	80 100	3
	3D	70 200	4	0 0	0	70 200	4
	3B	78 000	2	0 0	0	78 000	2
	5B	13 100	5	0 0	0	13 100	5
	5D	85 000	3	0 0	0	85 000	3
	5F	23 000	4	0 0	0	23 000	4
	5H	85 100	3	0 0	0	85 100	3
	5J	12 000	3	0 0	0	12 000	3
	7J	79 000	3	130	4	79 130	7
	7H	6 000	2	0 0	0	6 000	2
	7F	78 100	4	0 0	0	78 100	4
	7D	67 100	3	0 0	0	67 100	3
	7B	65 200	5	010	1	65 210	6
	9B	36 000	3	0 0	0	36 000	3
	9D	66 000	2	0 0	0	66 000	2
	9F	15 000	1	210	3	15 210	4
	9H	76 200	4	0 0	0	76 200	4
	9J	75 000	2	0 0	0	75 000	2
Mean		57 06080	3 28	02200	40	57 08279	3 68
JL28							
	1B	61 020	5	110	2	61 130	7
	1D	21 000	4	100	1	21 100	5
	1F	35 000	3	0 0	0	35 000	3
	1H	47 100	4	0 0	0	47 100	4
	1J	80 100	3	0 0	0	80 100	3
	3J	61 100	3	0 0	0	61 100	3
	3H	72 000	3	0 0	0	72 000	3
	3F	85 100	3	0 0	0	85 100	3
	3D	56 100	4	0 0	0	56 100	4
	3B	82 000	2	0 0	0	82 000	2
	5B	15 000	3	0 0	0	15 000	3
	5D	84 000	3	0 0	0	84 000	3
	5F	33 010	4	0 0	0	33 010	4
	5H	82 000	4	0 0	0	82 000	4
	5J	17 000	3	0 0	0	17 000	3
	7J	61 100	3	030	3	61 130	6
	7H	5 000	2	010	1	5 010	3
	7F	64 000	3	0 0	0	64 000	3
	7D	65 210	4	010	1	65 220	5
	7B	52 000	3	0 0	0	52 000	3
	9B	36 000	3	0 0	0	36 000	3
	9D	52 000	2	0 0	0	52 000	2
	9F	20 010	2	110	2	20 120	4
	9H	78 000	3	0 0	0	78 000	3
	9J	85 000	2	0 0	0	85 000	2
Mean		54 79400	3 12	01480	40	54 80879	3 52
AU25							
	1B	46 010	4	020	2	46 030	6
	1D	21 000	4	100	1	21 100	5
	1F	55 100	3	0 0	0	55 100	3
	1H	69 000	4	0 0	0	69 000	4
	1J	86 100	4	010	1	86 110	5
	3J	76 100	3	0 0	0	76 100	3
	3H	70 000	3	0 0	0	70 000	3
	3F	81 000	3	0 0	0	81 000	3
	3D	73 100	5	0 0	0	73 100	5
	3B	76 000	2	0 0	0	76 000	2
	5B	17 110	6	100	1	17 210	7
	5D	89 000	3	0 0	0	89 000	3
	5F	60 100	4	0 0	0	60 100	4
	5H	89 000	4	0 0	0	89 000	4
	5J	21 200	5	0 0	0	21 200	5
	7J	66 000	3	040	4	66 040	7
	7H	7 000	2	010	1	7 010	3
	7F	79 000	4	0 0	0	79 000	4
	7D	61 020	4	0 0	0	61 020	4
	7B	60 200	5	010	1	60 210	6
	9B	45 000	4	0 0	0	45 000	4
	9D	73 000	3	0 0	0	73 000	3
	9F	15 110	3	120	3	15 230	6

SEADYN Project: Hondo-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community,
Synthetic Cover & Species Richness Variables By Date & Plots

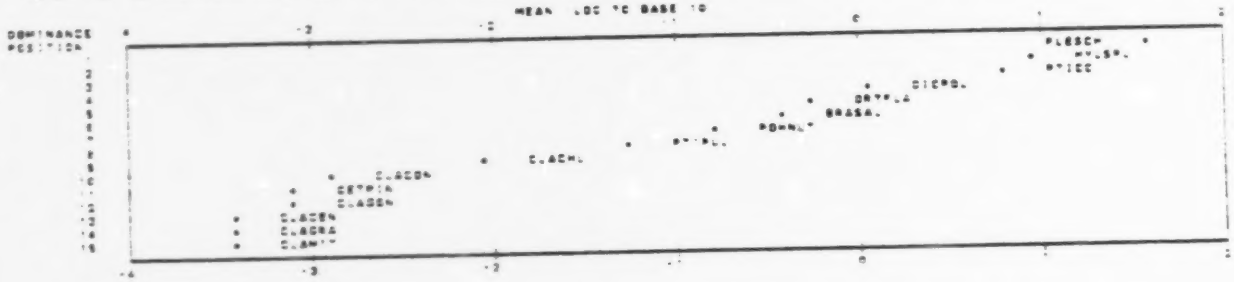
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	88.000	3	0.0	0	88.000	3
	9L	75.000	2	0.0	0	75.000	2
Mean		59.24800	3.60	.01640	.56	59.26229	4.16
0205							
	1B	67.110	5	.020	2	67.130	7
	1D	8.100	5	.010	1	8.110	6
	1F	30.010	3	0.0	0	30.010	3
	1H	73.000	3	0.0	0	73.000	3
	1L	83.000	2	0.0	0	83.000	2
	3L	77.010	3	0.0	0	77.010	3
	3H	61.000	3	0.0	0	61.000	3
	3F	86.000	3	0.0	0	86.000	3
	3D	71.000	4	0.0	0	71.000	4
	3B	88.000	2	0.0	0	88.000	2
	5B	18.100	4	0.0	0	18.100	4
	5D	87.100	3	0.0	0	87.100	3
	5F	52.000	3	0.0	0	52.000	3
	5H	83.100	4	0.0	0	83.100	4
	5L	13.100	5	0.0	0	13.100	5
	7L	55.100	2	.030	3	55.130	5
	7H	12.000	2	.010	1	12.010	3
	7F	83.000	2	0.0	0	83.000	2
	7D	66.000	2	0.0	0	66.000	2
	7B	57.200	5	0.0	0	57.200	5
	9B	32.100	4	0.0	0	32.100	4
	9D	53.000	3	0.0	0	53.000	3
	9F	26.010	2	.100	1	26.110	3
	9H	68.010	4	0.0	0	68.010	4
	9L	80.000	2	0.0	0	80.000	2
Mean		56.76200	3.28	.00680	.32	56.76880	3.60

HONDO-SLAVE LAKE STAND 3 1982 BRYOID COMM. MONITOR. SURVEY   08/16/82   PAGE 5
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S3S2B.S CREATION DATE = 08/16/82 STAND 3 (82), OLD JACK PINE 1982 BRYOID COVER % DATA
SUBFILE NAST

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	32.000	0.38880	1.07277	0.21455	0.55181	0.0	5.00000
Dicranum fuscescens	DICFUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	64.000	1.12640	1.50281	0.30056	0.26683	0.0	5.00000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	76.000	8.53840	13.81225	2.76245	0.32391	0.0	45.00000
Orthodicranum flagellare	ORTFLA	25	12.000	0.52040	2.39991	0.47998	0.92233	0.0	12.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	100.000	39.00400	28.34622	5.66925	0.14535	1.00000	80.00000
Pohlia nutans	POHNUT	25	4.000	0.16000	0.80000	0.16000	1.00000	0.0	4.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICCC	25	48.000	5.48080	15.61514	3.12303	0.58189	0.0	75.00000
Ptilidium pulcherrimum	PTIPUL	25	20.000	0.05240	0.20015	0.04003	0.76394	0.0	1.00000
Cetraria pinastri	CETPIN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia cenotea	CLACEN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	12.000	0.00840	0.02764	0.00553	0.65811	0.0	0.10000
Cladonia coniocraea	CLACON	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia gracilis	CLAGRA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina mitis	CLAMIT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICHERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5175
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.9669 (NATURAL LOGARITHMS)

15 OF THE 26 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 56.2556



PAGE

Stand 3 1982 Bryoid Comm. Monthly Survey

Descriptive Stat. for Each Species Variable and the Stand — 1982 Bryoid Cover % Data

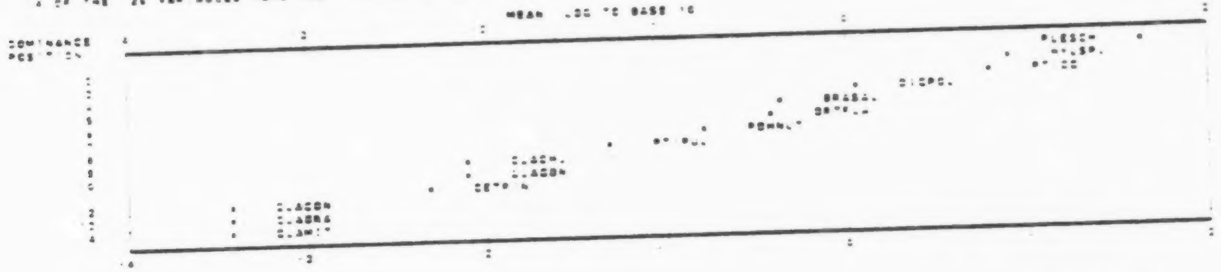
FILE [illegible] CREATION DATE = 04/16/82

SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR / MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dicranum fuscescens	DICFUS	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dicranum polysetum	DICPOL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dicranum scoparium	DICSCO	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hylocomium splendens	HYLSPL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Orthodicranum flagellare	ORTFLA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Plagiomnium cuspidatum	PLACUS	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pleurozium schreberi	PLESCH	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pohlia nutans	POHNUT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Polytrichum juniperinum	POLJUN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ptilidium ciliare	PTICIL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ptilium crista-castrensis	PTICRI	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ptilidium pulcherrimum	PTIPUL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cetraria pinastri	CETPIN	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia coniocraea	CLACON	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia chlorophaea	CLACHL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia [illegible]	CLA[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia cornuta	CLACOR	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia [illegible]	CLA[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia gracilis	CLAGRA	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladina mitis	CLAMIT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladina stellaris	CLASTE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Peltigera aphthosa	PELAPH	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Peltigera rufescens	PELRUF	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia multiformis	CLAMUL	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

BASED ON [illegible] POSITIVE MEANS: SIMPSON'S INDEX OF DOMINANCE CONCENTRATION [illegible] NATURAL LOGARITHMS
SHANNON-WEAVER INDEX OF DIVERSITY [illegible]

[illegible] OF THE 26 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO [illegible]

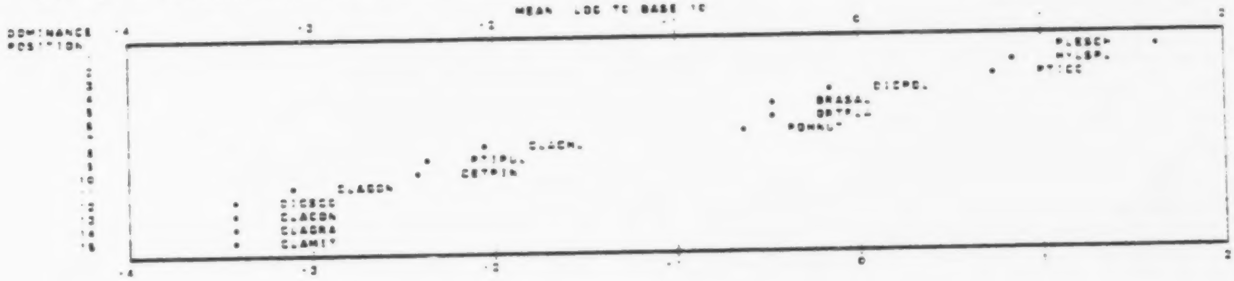


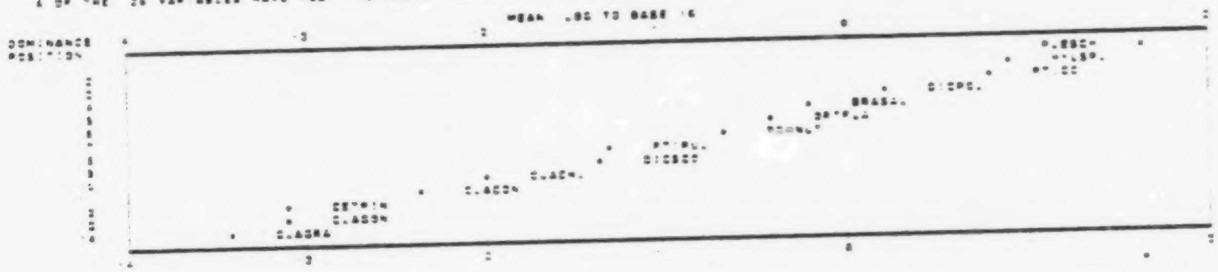
Hondo-Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey 04 16 82 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE 53828 8 (CREATION DATE = 04 16 82) Stand 3 '82 - old Jack Pine 1982 Bryoid Cover % Data
SUBFILE ...28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	16.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dicranum fuscescens	DICFUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	96.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dicranum scoparium	DICSCO	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hylocomium splendens	HYLSPL	25	88.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Orthodicranum flagellare	ORTFLA	25	8.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pohlia nutans	POHNUT	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	44.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ptilidium pulcherrimum	PTIPUL	25	8.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cetraria pinastri	CETPIN	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	16.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia coniocraea	CLACON	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	8.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladonia gracilis	CLAGRA	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladina mitis	CLAMIT	25	4.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = [illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H' = [illegible] (NATURAL LOGARITHMS)

15 OF THE 26 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]





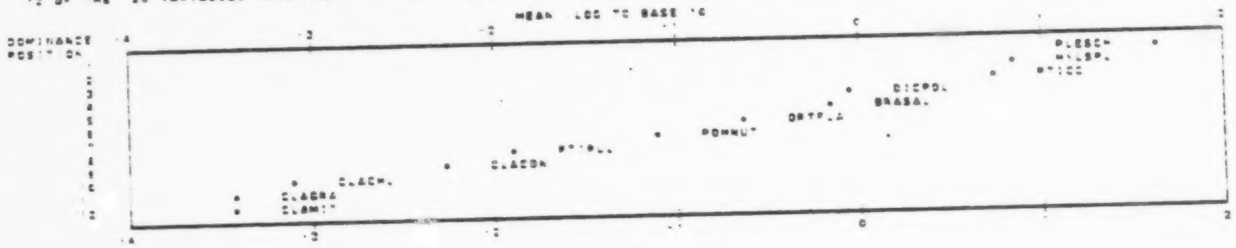
04/16/83 PAGE 12

Hondo-Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey
Descriptive Statistics for Each Species Variable and the Stand
FILE S3628.S CREATION DATE = 04/16/83 Stand 3 (82), Old Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE 8C09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	28.000	0.72000	1.88237	0.37647	0.52284	0.0	8.00000
Dicranum fuscescens	DICFUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	56.000	0.88240	1.44812	0.28962	0.32387	0.0	6.00000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	80.000	7.88280	14.42413	2.88483	0.36872	0.0	65.00000
Orthodicranum flagellare	ORTFLA	25	8.000	0.24000	1.01166	0.20233	0.84306	0.0	5.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	100.000	43.60000	29.68024	5.93605	0.14000	1.00000	85.00000
Pohlia nutans	POHNUT	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICCC	25	48.000	5.32480	16.34317	3.26863	0.61383	0.0	80.00000
Ptilidium pulcherrimum	PTIPUL	25	12.000	0.01200	0.03317	0.00663	0.55277	0.0	0.10000
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia coniocraea	CLACON	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina mitis	CLAMIT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 12 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.5827
SHANNON-WEAVER INDEX OF DIVERSITY H = 0.8558 (NATURAL LOGARITHMS)

12 OF THE 26 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 58.7688



Hengen Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey — 08/16/83 — PAGE [illegible]
Statistics for Synthetic Cover and Species Richness Variables
FILE S3&2B.S CREATION DATE = 08/16/83 Stand 3 '82 [illegible] Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE MAY (?)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	55.24320 (?)	28.51943 (?)	5.30381 (?)	[illegible]	[illegible]	85.00000 (?)
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hengen Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey — 08/16/83 — PAGE [illegible]
Statistics for Synthetic Cover and Species Richness Variables
FILE S3&2B.S CREATION DATE = 08/16/83 Stand 3 '82 [illegible] Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE JUN22 (?)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hengen Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey — 08/16/83 — PAGE [illegible]
Statistics for Synthetic Cover and Species Richness Variables
FILE S3&2B.S CREATION DATE = 08/16/83 Stand 3 '82 [illegible] Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE JUL28 (?)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hengen Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey — 08/16/83 — PAGE [illegible]
Statistics for Synthetic Cover and Species Richness Variables
FILE S3&2B.S CREATION DATE = 08/16/83 Stand 3 '82 [illegible] Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE AUG26 (?)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hengen Slave Lake Stand 3 1982 Bryoid Comm. Monthly Survey — 08/16/83 — PAGE [illegible]
Statistics for Synthetic Cover and Species Richness Variables
FILE S3&2B.S CREATION DATE = 08/16/83 Stand 3 '82 [illegible] Jack Pine 1982 Bryoid Cover % Data [illegible]
SUBFILE SEP29 (?)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Cover	LICHENCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Lichen Species Richness	LICHENRP	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Cover of All Species	TOTALCV	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean Richness of All Species	TOTALRP	25	100.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project Mongo-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BRASAL	DICFUS	DICPOL	DICSCO	HYLSPL	ORTPLA	PLACUS	PLESCH	POHNUT	POLJUN	PTICIL	PTICRI	PTIPUL	CETRIS	CLACER
AUG																
	0A	0.0	0.0	.100	0.0	5.000	0.0	0.0	80.000	0.0	0.0	0.0	7.000	0.0	0.0	0.0
	0C	.010	0.0	.010	0.0	1.000	.010	0.0	20.000	0.0	0.0	0.0	40.000	.010	0.0	0.0
	0E	.010	0.0	.010	0.0	3.000	.100	0.0	45.000	0.0	0.0	0.0	20.000	.010	.010	0.0
	0C	.100	0.0	.010	0.0	1.000	0.0	0.0	20.000	0.0	0.0	0.0	35.000	0.0	0.0	0.0
	C1	.010	0.0	0.0	0.0	5.000	0.0	0.0	55.000	0.0	0.0	0.0	2.000	.010	.010	0.0
	21	.010	0.0	1.000	0.0	3.000	.100	0.0	1.000	0.0	0.0	0.0	3.000	.010	0.0	.010
	3C	0.0	0.0	1.000	0.0	10.000	0.0	0.0	20.000	0.0	0.0	0.0	15.000	.010	0.0	0.0
	3E	.010	0.0	.010	0.0	1.000	0.0	0.0	25.000	0.0	0.0	0.0	20.000	.010	.010	0.0
	3C	0.0	0.0	.100	0.0	15.000	0.0	0.0	20.000	0.0	0.0	0.0	10.000	.010	0.0	0.0
	3A	.010	0.0	.010	0.0	20.000	1.000	0.0	20.000	0.0	0.0	0.0	10.000	.010	0.0	0.0
	4A	0.0	0.0	.010	0.0	1.000	0.0	0.0	30.000	0.0	0.0	0.0	20.000	.010	.010	0.0
	4C	.010	0.0	.010	0.0	5.000	0.0	0.0	25.000	0.0	0.0	0.0	2.000	0.0	.010	0.0
	4E	0.0	0.0	2.000	0.0	5.000	.100	0.0	20.000	0.0	0.0	0.0	1.000	.100	0.0	0.0
	4C	0.0	0.0	0.0	0.0	2.000	.010	0.0	30.000	0.0	0.0	0.0	10.000	0.0	.010	0.0
	41	0.0	0.0	.010	0.0	2.000	.100	0.0	40.000	0.0	0.0	0.0	4.000	.010	0.0	0.0
	51	.010	0.0	.100	0.0	5.000	0.0	0.0	35.000	0.0	0.0	0.0	5.000	.010	.010	0.0
	5C	0.0	0.0	.100	0.0	3.000	.010	0.0	20.000	0.0	0.0	0.0	2.000	.100	.010	0.0
	5E	0.0	0.0	.100	0.0	10.000	1.000	0.0	30.000	0.0	0.0	0.0	10.000	.010	.010	0.0
	5C	0.0	0.0	.010	0.0	2.000	.010	0.0	20.000	0.0	0.0	0.0	5.000	.010	.010	.010
	5A	0.0	0.0	.010	0.0	1.000	0.0	0.0	30.000	0.0	.010	0.0	1.000	0.0	.010	0.0
	8A	.010	0.0	.100	0.0	2.000	0.0	0.0	25.000	0.0	0.0	0.0	5.000	.010	0.0	0.0
	8C	.010	0.0	.010	0.0	10.000	0.0	0.0	30.000	0.0	0.0	0.0	3.000	0.0	.010	0.0
	8E	0.0	0.0	.010	.010	5.000	.100	0.0	45.000	0.0	.100	0.0	5.000	.010	0.0	0.0
	8C	0.0	0.0	.010	0.0	15.000	3.000	0.0	25.000	0.0	0.0	0.0	10.000	0.0	0.0	0.0
	81	.010	0.0	.010	0.0	2.000	2.000	0.0	25.000	0.0	0.0	0.0	1.000	.100	.010	0.0
Mean		.00840	0	.18880	.00040	5.4000	.30160	0	[illegible]	0	.00440	0	9.8400	.01800	.00520	.00080

TRANSPACE REQUIRED 800 BYTES
6 TRANSFORMATIONS
6 RECODE VALUES + LAG VARIABLES
34 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED 0.14 SECONDS

```
41 REPORT     FORMAT = NOSPACE, BRKSPACE 0, FTSPACE 0, LIST/
42            VARIABLES = PLOTNO PLOT (A) CLACHL TO CLAMUL (6)
43            HEAD = 'SEADYN Project, Mongo-Slave Lake, Stand 3'
44            'Monthly Survey of Bryophyte and Lichen Community'
45            'Species Cover % Values by 5x5 m Plots'
46            BREAK = SUBFILE DATE (A)
47            SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2100 BYTES FOR THIS TASK

[illegible] Project [illegible] Stand [illegible]
[illegible] Survey of Bryophyte and Lichen Commun[illegible]
Species Cover [illegible] Values [illegible] Plots

BEADYN Project Mango-Slave Lake Stand 3
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

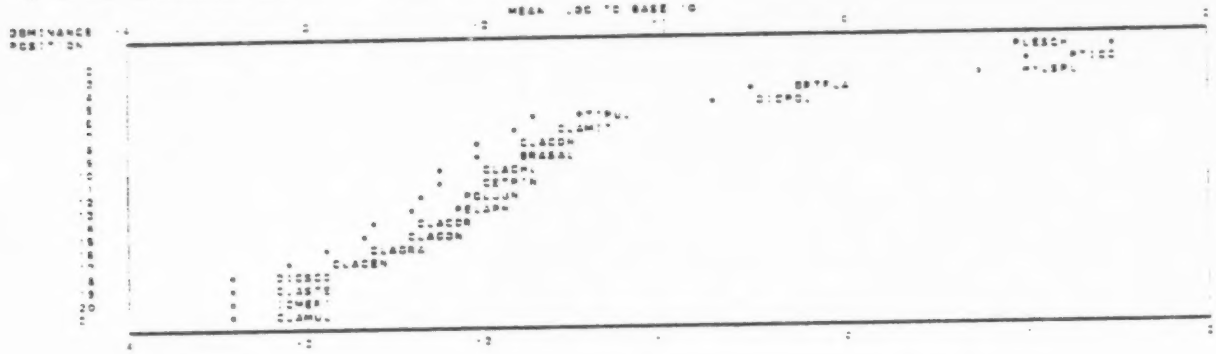
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU[illegible]							
	04	72 100	4	010	1	72 110	5
	05	61 040	7	020	2	61 060	9
	06	68 130	7	030	2	68 160	10
	08	56 110	5	020	2	56 130	7
	0[illegible]	57 020	5	020	2	57 040	7
	21	11 120	7	020	3	11 150	10
	22	46 010	5	010	1	46 020	6
	23	47 030	6	010	1	47 040	7
	25	45 110	5	020	2	45 130	7
	24	51 030	7	010	1	51 040	8
	44	51 020	5	030	3	51 050	8
	45	32 020	5	020	2	32 040	7
	46	28 200	6	030	3	28 230	9
	45	42 010	4	030	3	42 040	7
	41	48 120	6	120	3	48 240	9
	61	45 120	6	020	2	45 140	8
	65	28 210	6	110	2	28 320	8
	68	51 110	6	140	5	51 250	11
	65	27 030	7	060	5	27 090	12
	64	32 020	5	130	4	32 150	9
	84	33 120	6	010	1	33 130	7
	85	43 020	5	020	2	43 040	7
	88	55 230	8	130	4	55 360	12
	85	53 010	5	040	4	53 050	9
	81	30 120	7	070	7	30 190	14
Mean		44 36231	5 78	04580	2 75	44 40798	8 52

HONDO-SLAVE LAKE STAND 3 1982 BRYOID COMM MONTHLY SURVEY, 04/16/83 PAGE 1
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S382D2S CREATION DATE = 04/16/83 STAND 3 82, OLD JACK PINE 1982 BRYOID COVER % DATA 5X5 M
SUBFILE AUT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	44.000	0.00840	0.01972	0.00394	0.46980	0.0	0.10000
Dicranum fuscescens	DICFUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	32.000	0.18960	0.46386	0.09276	0.48924	0.0	2.00000
Dicranum scoparium	DICSCO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Hylocomium splendens	HYLSPL	25	100.000	5.40000	5.10718	1.02144	0.18915	1.00000	20.00000
Orthodicranum flagellare	ORTFLA	25	52.000	0.30160	0.72867	0.14582	0.48363	0.0	3.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	100.000	28.60000	11.86030	2.37206	0.08294	5.00000	60.00000
Pohlia nutans	POHNUT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polytrichum juniperinum	POLJUN	25	8.000	0.00440	0.02002	0.00400	0.90945	0.0	0.10000
Ptilidium ciliare	PTICIL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	100.000	9.84000	10.26196	2.05238	0.20856	1.00000	40.00000
Ptilidium pulcherrimum	PTIPUL	25	72.000	0.21800	0.03122	0.00624	0.34894	0.0	0.10000
Cetraria pinastri	CETPIN	25	52.000	0.00520	0.00510	0.00102	0.19612	0.0	0.01000
Cladonia cenotea	CLACEN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	56.000	0.00560	0.00507	0.00101	0.18054	0.0	0.01000
Cladonia coniocraea	CLACON	25	56.000	0.00920	0.01956	0.00391	0.42526	0.0	0.10000
Cladonia cornuta	CLACOR	25	24.000	0.00240	0.00436	0.00087	0.36324	0.0	0.01000
Cladonia gonecha	CLAGON	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cladonia gracilis	CLAGRA	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladina mitis	CLAMIT	25	32.000	0.01400	0.03281	0.00656	0.46857	0.0	0.10000
Cladina stellaris	CLASTE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Icmadophila ericetorum	ICMERI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera aphthosa	PELAPH	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 21 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION = 0.4787
SHANNON-WEAVER INDEX OF DIVERSITY = 1.0455 (NATURAL LOGARITHMS)

21 OF THE 26 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 44.6060



Hondo-Slave Lake Stand 3 1982 Bryoid Comm Monthly Survey 04/15/82 PAGE 6
Statistics for Synthetic Cover and Species Richness Variables
FILE S382825 (CREATION DATE = 04/15/83) Stand 3 (82 y old Jack Pine) 1982 Bryoid Cover % Data (5x5 m)
SUBFILE AU17

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100 000	44 36239	14 32747	2 86549	0 06459	11 12000	72 09999
Mean Bryophyte Species Richness	BRYOPHRP	25	100 000	5 76000	1 01160	0 20232	0 03512	4 00000	8 00000
Mean Lichen Cover	LICHENCV	25	100 000	0 04560	0 04369	0 00874	0 19163	0 01000	0 14000
Mean Lichen Species Richness	LICHENRP	25	100 000	2 76000	1 56205	0 31241	0 11319	1 00000	7 00000
Mean Cover of All Species	TOTALCV	25	100 000	44 40798	14 31992	2 86398	0 06449	11 15000	72 10999
Mean Richness of All Species	TOTALRP	25	100 000	8 52000	2 08407	0 41681	0 04892	5 00000	14 00000

SEACYN Project, Mengo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	BRASAL	DICSCO	DICPOL	DREUNC	EURPUL	HYLSPL	ORTFLA	ORTSPE	PLACUS	PLESCH	POLJUN	PTICIL	PTIPUL	PYLPOL	RHYTRI	CETPIN
MA11	1B	0 0	0 0	0 0	0 0	0 0	75 000	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0	0 0	0 0
	1D	2 000	0 0	0 0	0 0	100	55 000	0 0	0 0	0 0	10 000	0 0	1 000	100	0 0	0 0	0 0
	1F	0 0	0 0	010	0 0	0 0	30 000	0 0	0 0	0 0	5 000	0 0	100	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	60 000	0 0	0 0	0 0	20 000	0 0	2 000	0 0	0 0	0 0	0 0
	1J	010	0 0	0 0	0 0	0 0	75 000	100	0 0	010	0 0	0 0	010	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	20 000	0 0	50 000	0 0	0 0	0 0	0 0
	3H	10 000	0 0	0 0	100	100	25 000	010	0 0	1 000	0 0	0 0	100	010	0 0	0 0	0 0
	3F	0 0	0 0	100	0 0	0 0	30 000	0 0	0 0	0 0	15 000	0 0	25 000	0 0	0 0	0 0	0 0
	3D	1 000	0 0	0 0	0 0	0 0	25 000	0 0	0 0	0 0	30 000	0 0	10 000	0 0	0 0	0 0	0 0
	3B	010	0 0	0 0	0 0	0 0	20 000	0 0	0 0	0 0	10 000	0 0	15 000	0 0	0 0	0 0	0 0
	5B	1 000	0 0	0 0	0 0	5 000	4 000	0 0	0 0	010	2 000	0 0	3 000	0 0	0 0	0 0	0 0
	5D	0 0	0 0	010	0 0	0 0	0 0	2 000	0 0	0 0	1 000	0 0	2 000	1 000	0 0	0 0	0 0
	5F	100	0 0	0 0	0 0	3 000	10 000	0 0	0 0	0 0	25 000	0 0	100	0 0	0 0	0 0	0 0
	5H	1 000	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	20 000	0 0	100	0 0	0 0	0 0	0 0
	5J	100	0 0	0 0	0 0	1 000	25 000	0 0	0 0	0 0	20 000	0 0	15 000	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	10 000	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	1 000	0 0	0 0	10 000	0 0	0 0	0 0	7 000	0 0	45 000	0 0	0 0	0 0	0 0
	7F	3 000	0 0	1 000	0 0	0 0	30 000	0 0	0 0	0 0	5 000	0 0	100	100	0 0	0 0	0 0
	7D	100	0 0	0 0	0 0	0 0	10 000	0 0	0 0	0 0	7 000	0 0	50 000	0 0	0 0	0 0	0 0
	7B	1 000	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	1 000	0 0	2 000	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	70 000	0 0	0 0	0 0	5 000	0 0	10 000	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	25 000	0 0	0 0	0 0	2 000	0 0	7 000	0 0	0 0	0 0	0 0
	9F	0 0	0 0	1 000	0 0	0 0	15 000	0 0	0 0	0 0	20 000	0 0	25 000	0 0	0 0	0 0	0 0
	9H	010	0 0	0 0	0 0	0 0	70 000	0 0	0 0	0 0	10 000	0 0	10 000	100	0 0	0 0	0 0
	9J	100	0 0	010	0 0	1 000	30 000	0 0	0 0	0 0	40 000	0 0	15 000	0 0	0 0	0 0	0 0
Mean		[illegible]730	0	12520	00400	40800	31 550	12440	0	04080	11 444	0	11 580	05240	0	0	0
JN22	1B	0 0	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	10 000	0 0	1 000	0 0	0 0	0 0	0 0
	1D	2 000	0 0	0 0	1 000	0 0	65 000	0 0	0 0	0 0	15 000	0 0	1 000	0 0	0 0	0 0	0 0
	1F	0 0	0 0	100	0 0	0 0	75 000	0 0	0 0	0 0	5 000	0 0	100	100	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	50 000	0 0	0 0	0 0	40 000	0 0	1 000	0 0	0 0	0 0	0 0
	1J	100	0 0	0 0	0 0	0 0	85 000	100	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	10 000	0 0	0 0	0 0	25 000	0 0	50 000	0 0	0 0	0 0	0 0
	3H	1 000	0 0	0 0	0 0	4 000	30 000	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	0 0
	3F	100	0 0	0 0	0 0	0 0	25 000	0 0	0 0	0 0	10 000	0 0	45 000	0 0	0 0	0 0	0 0
	3D	1 000	0 0	0 0	0 0	0 0	15 000	0 0	0 0	0 0	25 000	0 0	40 000	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	25 000	0 0	0 0	0 0	30 000	0 0	25 000	0 0	0 0	0 0	0 0
	5B	1 000	0 0	0 0	0 0	3 000	10 000	0 0	0 0	0 0	1 000	0 0	2 000	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0	0 0	3 000	0 0	2 000	100	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	2 000	25 000	0 0	0 0	0 0	40 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	1 000	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	15 000	0 0	100	0 0	0 0	0 0	0 0
	5J	100	0 0	0 0	0 0	1 000	15 000	0 0	0 0	0 0	20 000	0 0	15 000	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	25 000	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	1 000	0 0	0 0	20 000	0 0	0 0	0 0	10 000	0 0	50 000	0 0	0 0	0 0	0 0
	7F	3 000	0 0	1 000	0 0	0 0	20 000	0 0	0 0	0 0	40 000	0 0	2 000	0 0	0 0	0 0	0 0
	7D	100	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	10 000	0 0	50 000	0 0	0 0	0 0	0 0
	7B	100	0 0	100	0 0	0 0	35 000	0 0	0 0	0 0	1 000	0 0	15 000	0 0	0 0	0 0	0 0
	9B	0 0	0 0	100	0 0	0 0	60 000	0 0	0 0	0 0	20 000	0 0	10 000	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	55 000	0 0	0 0	0 0	2 000	0 0	10 000	0 0	0 0	0 0	0 0
	9F	0 0	0 0	5 000	0 0	0 0	20 000	0 0	0 0	0 0	10 000	0 0	50 000	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	80 000	0 0	0 0	0 0	5 000	0 0	10 000	100	0 0	0 0	0 0
	9J	010	0 0	0 0	0 0	1 000	40 000	010	0 0	0 0	35 000	0 0	5 000	0 0	0 0	0 0	0 0
Mean		38040	0	29200	04000	44000	37 000	12440	0	0	15 920	0	15 608	01240	0	0	0
JL27	1B	100	010	0 0	0 0	0 0	55 000	0 0	0 0	0 0	5 000	0 0	15 000	0 0	0 0	0 0	0 0
	1D	1 000	0 0	0 0	100	0 0	65 000	0 0	0 0	0 0	15 000	0 0	010	0 0	0 0	0 0	0 0
	1F	100	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	5 000	0 0	5 000	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	40 000	0 0	0 0	0 0	40 000	0 0	2 000	0 0	0 0	0 0	0 0
	1J	010	0 0	0 0	0 0	0 0	80 000	0 0	0 0	010	000	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	30 000	0 0	25 000	0 0	0 0	0 0	0 0
	3H	100	0 0	0 0	2 000	0 0	35 000	0 0	0 0	2 000	0 0	0 0	5 000	0 0	0 0	0 0	0 0
	3F	100	0 0	0 0	0 0	0 0	20 000	0 0	0 0	0 0	30 000	0 0	30 000	0 0	0 0	0 0	0 0
	3D	1 000	0 0	0 0	0 0	0 0	15 000	0 0	0 0	0 0	50 000	0 0	20 000	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	20 000	0 0	0 0	0 0	35 000	0 0	30 000	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	0 0	5 000	15 000	0 0	0 0	0 0	0 0	0 0	2 000	100	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	100	5 000	0 0	0 0	3 000	0 0	2 000	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	2 000	20 000	0 0	0 0	0 0	45 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	2 000	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	15 000	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	100	1 000	20 000	100	0 0	0 0	30 000	0 0	15 000	0 0	0 0	0 0	0 0
	7J	010	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	25 000	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	1 000	0 0	0 0	15 000	0 0	0 0	0 0	15 000	0 0	45 000	0 0	0 0	0 0	0 0
	7F	3 000	0 0	1 000	100	0 0	35 000	0 0	0 0	0 0	20 000	0 0	5 000	0 0	0 0	0 0	0 0
	7D	100	0 0	0 0	0 0	0 0	15 000	0 0	0 0	0 0	10 000	0 0	60 000	0 0	0 0	0 0	0 0
	7B	1 000	0 0	0 0	0 0	0 0	40 000	0 0	0 0	0 0	1 000	0 0	5 000	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	70 000	0 0	0 0	0 0	20 000	0 0	5 000	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	0 0	0 0	10 000	0 0	0 0	0 0	0 0
	9F	1 000	0 0	3 000	0 0	0 0	10 000	0 0	0 0	0 0	25 000	0 0	20 000	0 0	0 0	0 0	0 0
	9H	0 0	0 0	100	0 0	0 0	75 000	0 0	0 0	0 0	10 000	0 0	5 000	1 000	0 0	0 0	0 0
	9J	1 000	010	0 0	0 0	100	40 000	0 0	0 0	0 0	40 000	0 0	5 000	010	0 0	0 0	0 0
Mean		48480	00080	20400	08300	32400	35 204	20400	0	08040	16 800	0	12 440	04440	0	0	0
AU23	1B	100	0 0	0 0	0 0	0 0	60 000	0 0	0 0	0 0	25 000	0 0	5 000	0 0	0 0	0 0	0 0
	1D	1 000	0 0	0 0	1 000	0 0	50 000	0 0	0 0	0 0	15 000	0 0	100	100	0 0	0 0	0 0
	1F	0 0	0 0	1 000	0 0	0 0	65 000	0 0	0 0	0 0	5 000	0 0	1 000	100	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	40 000	0 0	0 0	0 0	40 000	0 0	5 000	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	60 000	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	15 000	0 0	0 0	0 0	15 000	0 0	60 000	0 0	0 0	0 0	0 0
	3H	10 000	0 0	0 0	0 0	0 0	40 000	0 0	0 0	1 000	1 000	0 0	1 000	0 0	0 0	0 0	0 0
	3F	100	0 0	1 000	0 0	0 0	30 000	0 0	0 0	0 0	20 000	0 0	30 000	0 0	0 0	0 0	0 0
	3D	1 000	0 0	0 0	0 0	0 0	25 000	0 0	0 0	0 0	25 000	0 0	35 000	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	20 000	0 0	0 0	0 0	30 000	0 0	30 000	0 0	0 0	0 0	0 0
	5B	1 000	0 0	0 0	0 0	3 000	5 000	0 0	0 0	100	0 0	0 0	3 000	100	0 0	0 0	0 0
	5D	0 0	0 0	010	0 0	0 0	100	3 000	0 0	0 0	2 000	0 0	3 000	100	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	2 000	20 000	0 0	0 0	0 0	20 000	0 0	0 0	0 0	0 0	0 0	0 0
	5H	2 000	0 0	0 0	0 0	0 0	50 000	0 0	0 0	0 0	20 000	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	010	0 0	0 0	2 000	30 000	0 0	0 0	100	20 000	0 0	15 000	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	010	15 000	0 0	0 0	0 0	25 000	0 0	0 0	010	0 0	0 0	0 0
	7H	0 0	0 0	100	0 0	0 0	25 000	0 0	0 0	0 0	20 000	0 0	40 000	0 0	0 0	0 0	0 0
	7F	10 000	0 0	000	0 0	0 0	30 000	0 0	0 0	0 0	20 000	0 0	2 000	0 0	0 0	0 0	0 0
	7D	100	0 0	0 0	0 0	0 0	35 000	0 0	0 0	0 0	15 000	0 0	20 000	0 0	0 0	0 0	0 0
	7B	100	0 0	0 0	0 0	0 0	45 000	0 0	0 0	0 0	1 000	0 0	100	100	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	50 000	0 0	0 0	0 0	20 000	0 0	15 000	0 0	0 0	0 0	0 0
	9D	100	0 0	0 0	0 0	0 0	30 000	0 0	0 0	0 0	0 0	0 0	10 000	0 0	0 0	0 0	0 0
	9F	4 000	0 0	2 000	0 0	0 0	10 000	0 0	0 0	0 0	25 000	0 0	15 000	0 0	0 0	0 0	0 0

SEADYN Project. Hondo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	BRASAL	DICSCO	DICPOL	DREUNC	EURPUL	HYLSPL	ORTFLA	ORTSPE	PLACUS	PLESCH	POLJUN	PTICC	PTIPUL	PYLPOL	RHYTRI	CETPIN
	9H	0.0	0.0	0.0	0.0	0.0	80.000	0.0	0.0	0.0	10.000	0.0	20.000	100	0.0	0.0	0.0
	9J	0.0	0.0	0.0	100	0.0	50.000	1.000	0.0	0.0	30.000	0.0	2.000	010	0.0	0.0	0.0
Mean		13400	00040	20440	04400	28040	34.804	16000	0	.04800	17.040	0	12.488	02480	0	0	0
DC10																	
	1B	010	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	25.000	0.0	5.000	0.0	0.0	0.0	0.0
	1D	1.000	0.0	0.0	1.000	0.0	35.000	0.0	0.0	0.0	30.000	0.0	100	0.0	0.0	0.0	0.0
	1F	0.0	0.0	100	0.0	0.0	50.000	0.0	0.0	0.0	10.000	0.0	1.000	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	40.000	0.0	0.0	0.0	35.000	0.0	3.000	0.0	0.0	0.0	0.0
	1J	010	0.0	0.0	0.0	0.0	70.000	0.0	0.0	0.0	5.000	0.0	100	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	30.000	0.0	80.000	0.0	0.0	0.0	0.0
	3H	3.000	0.0	0.0	0.0	1.000	25.000	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0
	3F	100	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.0	15.000	0.0	40.000	0.0	0.0	0.0	0.0
	3D	100	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	25.000	0.0	20.000	0.0	0.0	0.0	0.0
	3B	010	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.0	30.000	0.0	15.000	0.0	0.0	0.0	0.0
	5B	100	0.0	0.0	0.0	5.000	6.000	0.0	0.0	0.0	100	0.0	1.000	0.0	0.0	0.0	0.0
	5D	0.0	0.0	100	0.0	0.0	100	8.000	0.0	0.0	4.000	0.0	5.000	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	2.000	20.000	0.0	0.0	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0
	5H	1.000	0.0	0.0	0.0	0.0	50.000	0.0	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0
	5J	100	0.0	0.0	0.0	100	20.000	0.0	0.0	0.0	35.000	0.0	20.000	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	7.000	0.0	0.0	0.0	25.000	0.0	0.0	0.0	100	0.0	0.0
	7H	0.0	0.0	0.0	100	0.0	20.000	0.0	0.0	0.0	5.000	0.0	65.000	0.0	0.0	0.0	0.0
	7F	10.000	0.0	1.000	0.0	0.0	30.000	0.0	0.0	0.0	10.000	0.0	1.000	0.0	0.0	0.0	0.0
	7D	100	0.0	0.0	0.0	0.0	35.000	0.0	0.0	0.0	20.000	0.0	35.000	0.0	0.0	0.0	0.0
	7B	1.000	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	5.000	0.0	2.000	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	30.000	0.0	10.000	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.0	15.000	0.0	30.000	0.0	0.0	0.0	0.0
	9F	0.0	0.0	2.000	0.0	0.0	20.000	0.0	0.0	0.0	30.000	0.0	20.000	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	60.000	0.0	0.0	0.0	5.000	0.0	10.000	0.0	1.000	0.0	0.0
	9J	100	0.0	0.0	100	100	30.000	0.0	0.0	0.0	35.000	0.0	2.000	0.0	0.0	0.0	0.0
Mean		55520	0	12800	04800	32800	28.804	32000	0	0	18.584	0	13.528	0	04400	0	0

```
TRANSPACE REQUIRED          600 BYTES
      8 TRANSFORMATIONS
      6 RECODE VALUES + LAG VARIABLES
     37 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED       0.31 SECONDS


          41 REPORT          FORMAT = HDSPACE(1) BRKSPACE(0) FTSPACE(0) LIST   /
          42                 VARIABLES = PLOTNO'Plot'(4) CLACHL TO THUREC (6)  /
          43                 HEAD = 'SEADYN Project  Hondo-Slave Lake  Stand 4'
          44                 'Monthly Survey of Bryophyte and Lichen Community'
          45                 'Species Cover % Values by  7x 7 m Plots' /
          46                 BREAK = SUBFILE 'Date' (4)                        /
          47                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2356 BYTES FOR THIS TASK
```

SEADYN Project, Hondo-Slave Lake, Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x7 m Plots

Date	Plot	CLACHL	CLACON	CLACOR	CLACON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELHOR	PELRUF	PELPUL	POHNUT	THUREC
MA11														
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	010	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		04080	00560	00040	0	00040	0	12000	0	0	0	0	0	0
JN21														
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	100	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00920	00160	0	0	0	0	20000	0	00040	00400	0	0	0
JL27														
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	4 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		04120	00840	0	0	0	0	16000	0	0	00040	0	00400	0
AU25														
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	5D	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

SEADYN Project, Mongo-Slave Lake, Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by .7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLACOR	CLAGON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELHOR	PELRUF	PELPUL	POHNUT	THUREC
	9H	010	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		00550	00440	0	0	0	0	12000	0	0	00480	0	0	0
0010														
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		00440	00400	00040	0	0	0	20000	0	0	0	0	0	0

SEADYN Project, Hondo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MAY11							
	1B	75 100	3	0 0	0	75 100	3
	1D	88 200	6	1 000	1	89 200	7
	1F	35 110	4	0 0	0	35 110	4
	1H	82 000	3	0 0	0	82 000	3
	1J	75 130	5	0 0	0	75 130	5
	3J	75 000	3	0 0	0	75 000	3
	3H	36 320	8	0 0	0	36 320	8
	3F	70 100	4	3 000	1	73 100	5
	3D	85 000	4	0 0	0	85 000	4
	3B	45 010	4	0 0	0	45 010	4
	5B	15 010	6	010	1	15 020	7
	5D	8 010	5	110	2	8 120	7
	5F	36 200	5	020	2	36 220	7
	5H	78 100	4	0 0	0	78 100	4
	5J	81 100	5	010	1	81 110	6
	7J	15 000	2	0 0	0	15 000	2
	7H	83 000	4	0 0	0	83 000	4
	7F	39 200	6	0 0	0	39 200	6
	7D	67 100	4	0 0	0	67 100	4
	7B	34 000	4	0 0	0	34 000	4
	9B	85 000	3	0 0	0	85 000	3
	9D	38 000	3	0 0	0	38 000	3
	9F	81 000	4	0 0	0	81 000	4
	9H	90 110	5	010	1	90 120	6
	9J	85 110	6	020	2	88 130	8
Mean		56 11832	4 40	16720	44	56 28352	4 84
JN22							
	1B	75 000	3	0 0	0	75 000	3
	1D	84 000	5	110	2	84 110	7
	1F	80 300	5	0 0	0	80 300	5
	1H	91 000	3	0 0	0	91 000	3
	1J	88 210	4	0 0	0	88 210	4
	3J	85 000	3	0 0	0	85 000	3
	3H	40 300	4	010	1	40 310	5
	3F	80 100	4	5 000	1	85 100	5
	3D	81 000	4	0 0	0	81 000	4
	3B	80 000	3	0 0	0	80 000	3
	5B	17 000	5	010	1	17 010	6
	5D	8 100	4	020	2	8 120	6
	5F	87 000	3	100	1	87 100	4
	5H	81 100	4	0 0	0	81 100	4
	5J	51 100	5	110	2	51 210	7
	7J	30 000	3	0 0	0	30 000	3
	7H	81 000	4	0 0	0	81 000	4
	7F	66 300	5	0 0	0	66 300	5
	7D	90 100	4	0 0	0	90 100	4
	7B	51 200	5	0 0	0	51 200	5
	9B	90 100	4	0 0	0	90 100	4
	9D	64 000	3	0 0	0	64 000	3
	9F	85 000	4	0 0	0	85 000	4
	9H	95 100	4	010	1	95 110	5
	9J	81 020	6	010	1	81 030	7
Mean		59 81720	4 00	21520	48	70 03239	4 48
JL27							
	1B	75 110	5	0 0	0	75 110	5
	1D	81 210	6	1 000	1	82 210	7
	1F	75 100	4	0 0	0	75 100	4
	1H	82 000	3	0 0	0	82 000	3
	1J	81 020	4	0 0	0	81 020	4
	3J	85 000	3	0 0	0	85 000	3
	3H	44 100	5	0 0	0	44 100	5
	3F	80 100	4	4 000	1	84 100	5
	3D	86 000	4	0 0	0	86 000	4
	3B	85 000	3	0 0	0	85 000	3
	5B	22 200	5	010	1	22 210	6
	5D	10 100	4	100	1	10 200	5
	5F	87 000	3	010	1	87 010	4
	5H	82 000	3	0 0	0	82 000	3
	5J	88 200	6	010	1	88 210	7
	7J	30 010	3	0 0	0	30 010	3
	7H	76 000	4	0 0	0	76 000	4
	7F	84 100	5	0 0	0	84 100	5
	7D	85 100	4	010	1	85 110	5
	7B	47 000	4	0 0	0	47 000	4
	9B	95 000	3	0 0	0	95 000	3
	9D	40 000	2	0 0	0	40 000	2
	9F	60 000	5	0 0	0	60 000	5
	9H	91 100	5	100	1	91 200	6
	9J	88 120	7	010	1	88 130	8
Mean		67 48279	4 20	21000	36	68 07279	4 56
AU29							
	1B	80 100	4	0 0	0	80 100	4
	1D	87 200	6	100	1	87 300	7
	1F	72 100	5	0 0	0	72 100	5
	1H	85 000	2	0 0	0	85 000	2
	1J	82 000	2	0 0	0	82 000	2
	3J	80 000	2	0 0	0	80 000	2
	3H	53 200	5	010	1	53 210	6
	3F	81 100	5	3 000	1	84 100	6
	3D	86 000	4	0 0	0	86 000	4
	3B	80 000	2	0 0	0	80 000	2
	5B	12 200	6	020	2	12 220	8
	5D	8 210	6	100	1	8 310	7
	5F	52 000	3	010	1	52 010	4
	5H	72 000	3	0 0	0	72 000	3
	5J	77 110	5	110	2	77 220	7
	7J	40 020	4	0 0	0	40 020	4
	7H	85 100	4	0 0	0	85 100	4
	7F	82 200	5	0 0	0	82 200	5
	7D	70 100	4	0 0	0	70 100	4
	7B	48 300	5	0 0	0	48 300	5
	9B	85 000	2	0 0	0	85 000	2
	9D	40 100	3	0 0	0	40 100	3
	9F	60 000	5	0 0	0	60 000	5

SEADYN Project. Wonde-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

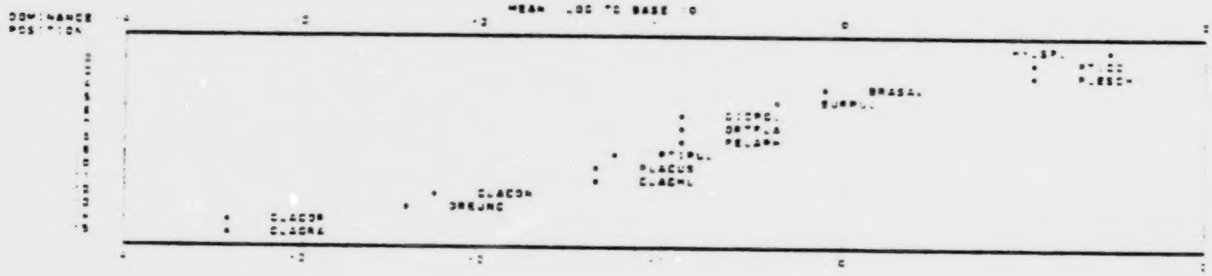
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	80 100	4	110	2	80 210	6
	9J	83 110	6	010	1	83 120	7
Mean		65 43389	4 28	13880	48	66 57279	4 76
OC10							
	1B	60 010	4	0 0	0	60 010	4
	1D	67 100	5	100	1	67 200	6
	1F	61 100	4	0 0	0	61 100	4
	1H	78 000	3	0 0	0	78 000	3
	1J	75 110	4	0 0	0	75 110	4
	3J	85 000	3	0 0	0	85 000	3
	3H	32 000	4	0 0	0	32 000	4
	3F	80 100	4	5 000	1	85 100	5
	3D	75 100	4	0 0	0	75 100	4
	3B	70 010	4	0 0	0	70 010	4
	5B	14 200	5	0 0	0	14 200	5
	5D	17 200	5	100	1	17 300	6
	5F	47 000	3	010	1	47 010	4
	5H	66 000	3	0 0	0	66 000	3
	5J	75 200	5	0 0	0	75 200	5
	7J	32 100	3	0 0	0	32 100	3
	7H	90 100	4	0 0	0	90 100	4
	7F	52 000	5	0 0	0	52 000	5
	7D	90 100	4	0 0	0	90 100	4
	7B	38 000	4	0 0	0	38 000	4
	9B	70 000	3	0 0	0	70 000	3
	9D	70 000	3	0 0	0	70 000	3
	9F	72 000	4	0 0	0	72 000	4
	9H	76 000	4	0 0	0	76 000	4
	9J	67 300	6	010	1	67 310	7
Mean		62 42920	4 00	20880	20	62 63799	4 20

Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 08/14/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S1428 E (CREATION DATE = 04/15/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	56.000	0.77720	2.06064	0.41213	0.53035	0.0	10.00000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	28.000	0.12520	0.33030	0.06606	0.52764	0.0	1.00000
Drepanocladus uncinatus	DREUNC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Eurhynchium pulchellum	EURPUL	25	24.000	0.40800	1.15214	0.23043	0.56478	0.0	5.00000
Hylocomium splendens	HYLSPL	25	96.000	31.56000	23.97061	4.79412	0.15190	0.0	75.00000
Orthodicranum flagellare	ORTFLA	25	12.000	0.12440	0.59842	0.11968	0.96361	0.0	3.00000
Orthotrichum speciosum	ORTSPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	12.000	0.04080	0.19985	0.03997	0.97967	0.0	1.00000
Pleurozium schreberi	PLESCH	25	92.000	11.44400	10.53542	2.10708	0.18412	0.0	40.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	96.000	11.58040	15.77763	3.15553	0.27249	0.0	50.00000
Ptilidium pulcherrimum	PTIPUL	25	20.000	0.05240	0.20015	0.04003	0.76394	0.0	1.00000
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	12.000	0.04080	0.19985	0.03997	0.97967	0.0	1.00000
Cladonia coniocraea	CLACON	25	20.000	0.00560	0.02002	0.00400	0.71486	0.0	0.10000
Cladonia cornuta	CLACOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.12000	0.60000	0.12000	1.00000	0.0	3.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pohlia nutans	POHNUT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THURED	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2984
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.1[illegible]74 NATURAL LOGARITHMS

15 OF THE 29 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 56.2836

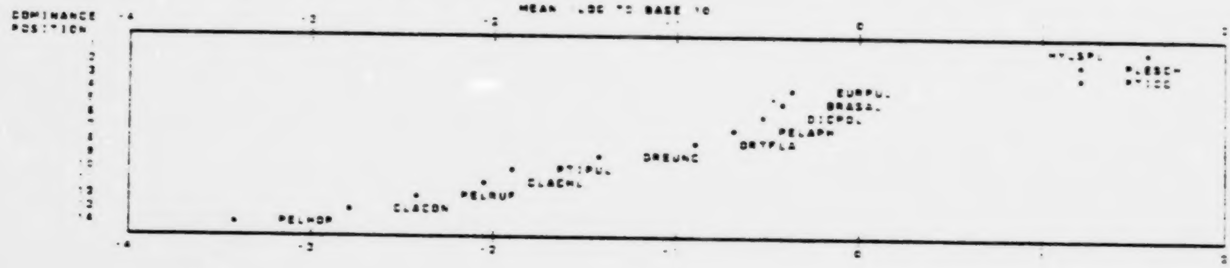


Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey   04/16/83   PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 S (CREATION DATE = 04/18/83) Stand 4 (128), Old Spruce-Fir) 1982 Bryoid Cover Data (7x7 m
SUBFILE JN22

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	48.000	0.38040	0.74812	0.14962	0.39333	0.0	3.00000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	24.000	0.28200	1.01884	0.20377	[illegible]	0.0	5.00000
Drepanocladus uncinatus	DREUNC	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Eurhynchium pulchellum	EURPUL	25	20.000	0.44000	1.04403	0.20881	0.47456	0.0	4.00000
Hylocomium splendens	HYLSPL	25	88.000	37.00000	25.16611	5.03322	0.13603	0.0	85.00000
Orthodicranum flagellare	ORTFLA	25	12.000	0.12440	0.59442	0.11888	0.95569	0.0	3.00000
Orthotrichum speciosum	ORTSPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	92.000	15.92000	13.36014	2.67203	0.16784	0.0	40.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	88.000	15.60800	19.34315	3.86863	0.24786	0.0	50.00000
Ptilidium pulcherrimum	PTIPUL	25	16.000	0.01240	0.03308	0.00662	0.53348	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Cladonia coniocraea	CLACON	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera rufescens	PELRUF	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pohlia nutans	POHNUT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 14 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3806
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.1272 (NATURAL LOGARITHMS)

14 OF THE 29 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 70.0324

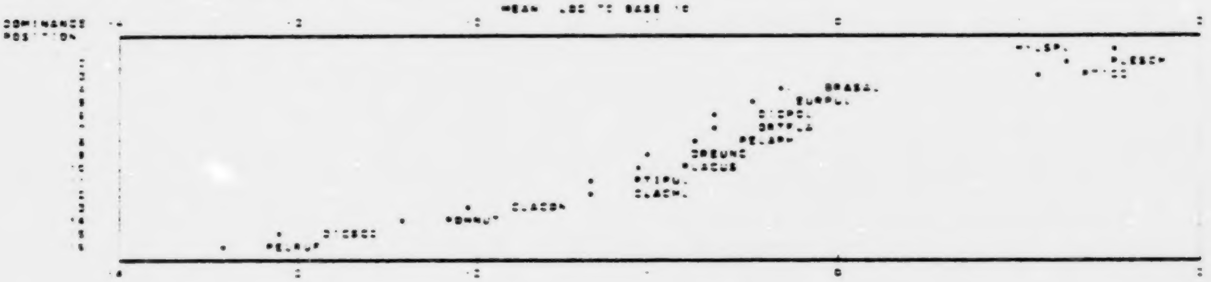


Hendo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 5 CREATION DATE = 04/18/83 Stand 4 128 y old Spruce-Fir 1982 Bryoid Cover Data 7x 7 m
SUBFILE JL27

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	80.000	0.46480	0.80775	0.16155	0.34757	0.0	3.00000
Dicranum scoparium	DICSCO	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Dicranum polysetum	DICPOL	25	16.000	0.10400	0.64452	0.12890	0.63181	0.0	3.00000
Drepanocladus uncinatus	DREUNC	25	16.000	0.25200	0.58867	0.11773	0.46712	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	16.000	0.32400	1.06821	0.21364	0.65939	0.0	5.00000
Hylocomium splendens	HYLSPL	25	100.000	35.20400	23.55576	4.71115	0.13382	2.10000	80.00000
Orthodicranum flagellare	ORTFLA	25	8.000	0.20400	0.99837	0.19967	0.97877	0.0	5.00000
Orthotrichum speciosum	ORTSPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	8.000	0.08040	0.39893	0.07998	0.99463	0.0	2.00000
Pleurozium schreberi	PLESCH	25	88.000	18.80000	15.54562	3.10913	0.16538	0.0	50.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	84.000	12.44040	15.43523	3.08705	0.24815	0.0	60.00000
Ptilidium pulcherrimum	PTIPUL	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	16.000	0.04120	0.19978	0.03996	0.96975	0.0	1.00000
Cladonia coniocraea	CLACON	25	12.000	0.00640	0.02784	0.00557	0.87011	0.0	0.10000
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.16000	0.80000	0.16000	1.00000	0.0	4.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pohlia nutans	POHNUT	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Thuidium recognitum	THUREC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 16 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.3772
SHANNON-WEAVER INDEX OF DIVERSITY (H) = 1.436 NATURAL LOGARITHMS

16 OF THE 29 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 68.[illegible]

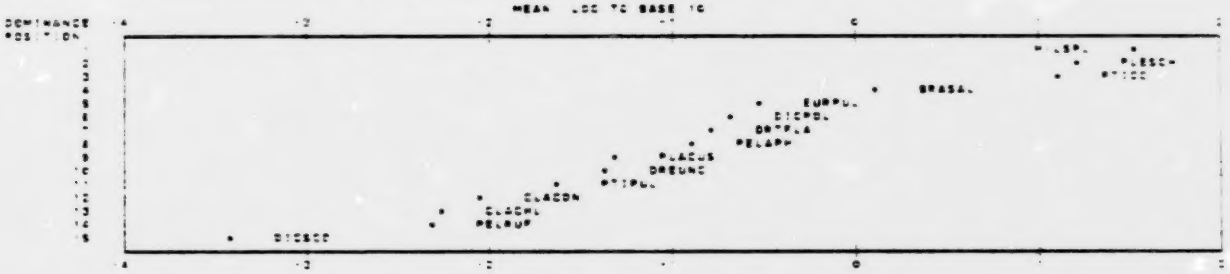


Horde-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 S (CREATION DATE = 04/18/83) Stand 4 128 , old Spruce-Fir 1982 Bryoid Cover Data 7x 7 m
SUBFILE AU25

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	48 000	1 34000	3 06874	0 61395	0 45817	0 0	10 00000
Dicranum scoparium	DICSCO	25	4 000	0 00040	0 00200	0 00040	1 00000	0 0	0 01000
Dicranum polysetum	DICPOL	25	24 000	0 20440	0 48857	0 09771	0 47803	0 0	2 00000
Drepanocladus uncinatus	DREUNC	25	8 000	0 04400	0 20017	0 04003	0 90985	0 0	1 00000
Eurhynchium pulchellum	EURPUL	25	16 000	0 28040	0 79148	0 15830	0 56453	0 0	3 00000
Hylocomium splendens	HYLSPL	25	100 000	34 80400	15 49044	3 09809	0 11200	0 10000	80 00000
Orthodicranum flagellare	ORTFLA	25	8 000	0 16000	0 62450	0 12490	0 78062	0 0	3 00000
Orthotrichum speciosum	ORTSPE	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Plagiomnium cuspidatum	PLACUS	25	12 000	0 04800	0 20025	0 04005	0 83437	0 0	1 00000
Pleurozium schreberi	PLESCH	25	92 000	17 04000	11 63859	2 32772	0 13660	0 0	40 00000
Polytrichum juniperinum	POLJUN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Ptilium crista-castrensis	PTICC	25	64 000	12 48800	15 78408	3 15681	0 25279	0 0	60 00000
Ptilidium pulcherrimum	PTIPUL	25	32 000	0 02480	0 04322	0 00864	0 34852	0 0	0 10000
Pylaisiella polyantha	PYLPOL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Rhytidiadelphus triquetrus	RHYTRI	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cetraria pinastri	CETPIN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia chlorophaea	CLACHL	25	20 000	0 00560	0 02002	0 00400	0 71486	0 0	0 10000
Cladonia coniocraea	CLACON	25	12 000	0 00840	0 02764	0 00553	0 6581	0 0	0 10000
Cladonia cornuta	CLACOR	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia gonecha	CLAGON	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia gracilis	CLAGRA	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia multiformis	CLAMUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera aphthosa	PELAPH	25	4 000	0 12000	0 60000	0 12000	1 00000	0 0	3 00000
Peltigera canina	PELCAN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera horizontalis	PELHOR	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera rufescens	PELRUF	25	12 000	0 00480	0 02002	0 00400	0 83437	0 0	0 10000
Peltigera pulverulenta	PELPUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Pohlia nutans	POHNUT	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Thuidium recognitum	THUREC	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0 3745
SHANNON-WEAVER INDEX OF DIVERSITY H = 1 1628 NATURAL LOGARITHMS

15 OF THE 29 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 66 5728

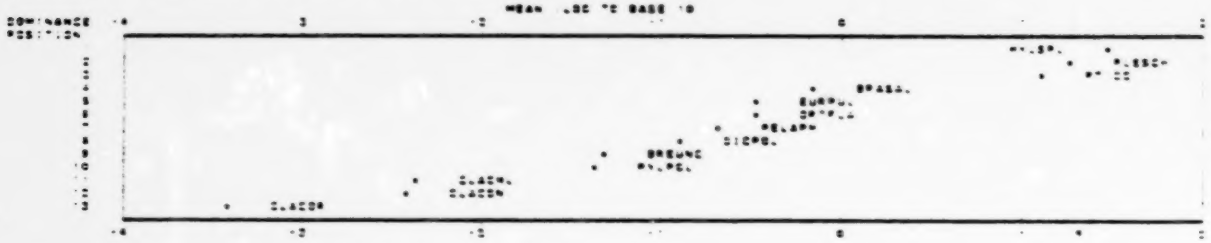


Hondo-Slave Lake Stand 4 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE S1828 [illegible] (CREATION DATE = 04/18/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (% ? m)
SUBFILE SC10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	56.000	0.66520	2.05140	0.41028	0.61678	0.0	10.00000
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	16.000	0.12800	0.43829	0.08766	0.68482	0.0	2.00000
Drepanocladus uncinatus	DREUNC	25	12.000	0.04800	0.20031	0.04006	0.83[illegible]	0.0	1.00000
Eurhynchium pulchellum	EURPUL	25	28.000	0.32800	1.06[illegible]	0.21343	0.65066	0.0	5.00000
Hylocomium splendens	HYLSPL	25	100.000	26.80400	16.38883	3.27777	0.12[illegible]	[illegible]	70.00000
Orthodicranum flagellare	ORTFLA	25	4.000	0.32000	1.60000	0.32000	1.00000	0.0	8.00000
Orthotrichum speciosum	ORTSPE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	88.000	14.55400	11.9902[illegible]	2.38807	0.[illegible]	0.0	35.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	68.000	13.52800	12.77035	2.55407	0.28[illegible]	0.0	55.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pylaisiella polyantha	PYLPOL	25	8.000	0.04400	0.200[illegible]	0.04003	0.90985	0.0	1.00000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cladonia coniocraea	CLACON	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia cornuta	CLACOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pohlia nutans	POHNUT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 13 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.348[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.[illegible]944 NATURAL LOGARITHMS

13 OF THE 29 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 56.6[illegible]80



Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 12
Statistics for Synthetic Cover and Species Richness Variables
FILE S1620.S (CREATION DATE = 04/16/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (7x 7 m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	56.11839	24.08785	4.81757	0.08585	8.01000	90.10999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	4.40000	1.32288	0.26458	0.06013	2.00000	8.00000
Mean Lichen Cover	LICHENCV	25	32.000	0.16720	0.62287	0.12459	0.74518	0.0	3.00000
Mean Lichen Species Richness	LICHENRP	25	32.000	0.44000	0.71181	0.14236	0.32355	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	56.28359	24.18042	4.83608	0.08592	8.12000	90.11999
Mean Richness of All Species	TOTALRP	25	100.000	4.84000	1.74833	0.34967	0.07225	2.00000	8.00000

Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S1620.S (CREATION DATE = 04/16/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (7x 7 m
SUBFILE JUNE

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	69.81720	23.57542	4.71566	0.06755	5.10000	95.08999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	4.00000	0.91287	0.18257	0.04564	2.00000	6.00000
Mean Lichen Cover	LICHENCV	25	36.000	0.21520	0.59744	0.11949	0.55529	0.0	5.00000
Mean Lichen Species Richness	LICHENRP	25	36.000	0.48000	0.71414	0.14283	0.29756	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	70.03239	23.68679	4.73736	0.06765	5.12000	95.10999
Mean Richness of All Species	TOTALRP	25	100.000	4.48000	1.35769	0.27154	0.06061	2.00000	7.00000

Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S1620.S (CREATION DATE = 04/16/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (7x 7 m
SUBFILE JULY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	67.86275	22.91762	4.58352	0.06754	10.10000	95.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	4.20000	1.22474	0.24495	0.05832	2.00000	7.00000
Mean Lichen Cover	LICHENCV	25	36.000	0.21000	0.61440	0.12288	0.58514	0.0	4.00000
Mean Lichen Species Richness	LICHENRP	25	36.000	0.32000	[illegible]	[illegible]	[illegible]	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	68.07279	23.03854	4.60771	0.06769	10.20000	95.00000
Mean Richness of All Species	TOTALRP	25	100.000	4.56000	1.50222	0.30044	0.06589	2.00000	8.00000

Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S1620.S (CREATION DATE = 04/16/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (7x 7 m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	66.43389	22.73336	4.54668	0.06844	8.21000	90.05999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	4.28000	1.20830	0.24166	0.05646	2.00000	6.00000
Mean Lichen Cover	LICHENCV	25	36.000	0.13880	0.59733	0.11947	0.86071	0.0	3.00000
Mean Lichen Species Richness	LICHENRP	25	36.000	0.48000	0.71414	0.14283	0.29756	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	66.57279	22.81692	4.56318	0.06854	8.31000	90.20599
Mean Richness of All Species	TOTALRP	25	100.000	4.76000	1.71464	0.34293	0.07204	2.00000	8.00000

Hondo-Slave Lake Stand 4 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S1620.S (CREATION DATE = 04/16/83) Stand 4 (126 y old Spruce-Fir) 1982 Bryoid Cover Data (7x 7 m
SUBFILE OCTO

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	62.42920	21.66863	4.33377	0.06942	14.20000	90.08999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	4.00000	0.81650	0.16330	0.04082	3.00000	6.00000
Mean Lichen Cover	LICHENCV	25	20.000	0.20680	0.99451	0.19891	0.96146	0.0	5.00000
Mean Lichen Species Richness	LICHENRP	25	20.000	0.20000	0.40825	0.08165	0.40825	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	62.63760	21.35726	4.27145	0.06819	14.20000	90.08999
Mean Richness of All Species	TOTALRP	25	100.000	4.20000	1.04083	0.20817	0.04956	3.00000	7.00000

SEADYN Project Hondo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Communit.
Species Cover % Values by 5x5 m Plots

Date	Plot	BRASAL	DICSCO	DICPOL	DREUNC	EURPUL	HYLSPL	ORTFLA	ORTSPE	PLACUS	PLESCH	POLJUN	PTICIL	PTIPUL	PYLPOL	RHYTRI	CETPIN
AU18	0A	.010	0.0	0.0	0.0	2.000	40.000	.010	0.0	1.000	15.000	0.0	.010	.100	0.0	0.0	0.0
	0C	0.0	0.0	0.0	0.0	.100	50.000	0.0	0.0	0.0	25.000	0.0	.100	0.0	0.0	0.0	0.0
	0E	0.0	0.0	0.0	.010	.100	50.000	.010	0.0	0.0	10.000	0.0	1.000	.100	0.0	0.0	0.0
	0G	0.0	0.0	.010	0.0	.100	45.000	.010	0.0	0.0	10.000	0.0	30.000	1.000	.010	0.0	0.0
	0I	0.0	0.0	.100	0.0	.010	50.000	.100	0.0	.100	13.000	0.0	.100	.010	0.0	0.0	.010
	2I	.100	0.0	.100	0.0	.010	10.000	0.0	0.0	.010	2.000	0.0	10.000	0.0	0.0	0.0	0.0
	2G	.100	0.0	0.0	0.0	.010	25.000	0.0	0.0	0.0	25.000	0.0	5.000	.010	0.0	0.0	0.0
	2E	.100	0.0	0.0	0.0	.100	60.000	.010	.010	.010	15.000	0.0	2.000	.100	0.0	0.0	.010
	2C	1.000	0.0	0.0	0.0	.100	30.000	.010	0.0	.010	4.000	0.0	4.000	.010	0.0	0.0	0.0
	2A	0.0	0.0	0.0	0.0	.100	20.000	.010	0.0	.010	15.000	0.0	15.000	.010	0.0	0.0	.010
	4A	.100	0.0	0.0	0.0	0.0	25.000	.010	0.0	0.0	20.000	0.0	20.000	.100	0.0	0.0	0.0
	4C	0.0	0.0	0.0	0.0	.100	45.000	.100	0.0	.100	15.000	0.0	10.000	.100	0.0	0.0	.010
	4E	0.0	0.0	0.0	.010	.100	50.000	0.0	0.0	.010	10.000	0.0	20.000	.010	0.0	0.0	.010
	4G	1.000	.010	0.0	0.0	.100	40.000	.100	0.0	0.0	3.000	0.0	30.000	.010	0.0	0.0	0.0
	4I	.100	0.0	0.0	0.0	.100	30.000	0.0	0.0	0.0	20.000	0.0	25.000	.100	0.0	0.0	0.0
	6I	0.0	0.0	.010	0.0	0.0	25.000	.010	0.0	.010	25.000	0.0	25.000	.010	0.0	0.0	0.0
	6G	.010	0.0	.010	0.0	0.0	40.000	0.0	0.0	.010	30.000	0.0	10.000	.100	0.0	0.0	.010
	6E	.010	0.0	.010	0.0	.100	20.000	0.0	0.0	.010	15.000	0.0	5.000	0.0	0.0	0.0	0.0
	6C	0.0	0.0	0.0	0.0	0.0	50.000	.100	0.0	.010	5.000	0.0	15.000	.100	0.0	0.0	.010
	6A	.010	0.0	0.0	0.0	.010	3.000	.100	0.0	0.0	15.000	0.0	20.000	.100	0.0	0.0	.010
	8A	.010	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	25.000	0.0	15.000	.010	0.0	0.0	.010
	8C	.010	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	10.000	0.0	15.000	.100	0.0	0.0	.010
	8E	.010	0.0	.100	0.0	.010	50.000	0.0	0.0	0.0	15.000	0.0	25.000	.100	0.0	0.0	.010
	8G	0.0	0.0	.100	0.0	0.0	20.000	0.0	0.0	.010	40.000	0.0	1.000	.100	0.0	0.0	0.0
	8I	0.0	0.0	.010	0.0	.010	25.000	0.0	0.0	0.0	20.000	0.0	20.000	2.000	0.0	0.0	0.0
Mean		.10280	.00040	.01800	.00080	.12640	33.320	.02320	.00040	.05200	15.880	0.0	12.928	.17120	.00040	0.0	.00440

```
TRANSPACE REQUIRED          600 BYTES
      0 TRANSFORMATIONS
      6 RECODE VALUES + LAG VARIABLES
     27 IF COMPUTE OPERATIONS

CPU TIME REQUIRED       0.4 SECONDS


              41 REPORT          FORMAT = NOSPACE, BRKSPACE 0, FTSPACE 0, LIST
              42                 VARIABLES = PLOTNO PLOT 8, BLACHL TO THUREC 3
              43                 HEAD = SEADYN Project  Hondo-Slave Lake  Stand 4
              44                 'Monthly Survey of Bryophyte and Lichen Communit.
              45                  Species Cover % Values by 5x5 m Plots
              46                 BREAK = SUBFILE  Date  A
              47                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2288 BYTES FOR THIS TASK
```

SEADYN Project Mongo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACHL	CLACON	CLACOR	CLAGON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELHOR	PELRUF	PELPUL	POHNUT	THUREC
AU16														
	0A	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0C	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0
	0E	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0G	010	010	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0I	010	010	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	010	0 0
	2I	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	2G	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	2E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	2C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	2A	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	4A	010	100	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	100	0 0	0 0
	4C	010	010	0 0	0 0	0 0	0 0	010	0 0	010	010	0 0	0 0	0 0
	4E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	4G	010	100	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	4I	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	6I	010	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	6G	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	6E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	6C	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0
	6A	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	010
	8A	010	010	0 0	0 0	010	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0
	8C	000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	8E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8G	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	8I	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		05240	01860	00040	0	00080	0	00040	0	00800	01040	00840	00040	00040

SEADYN Project Hondo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

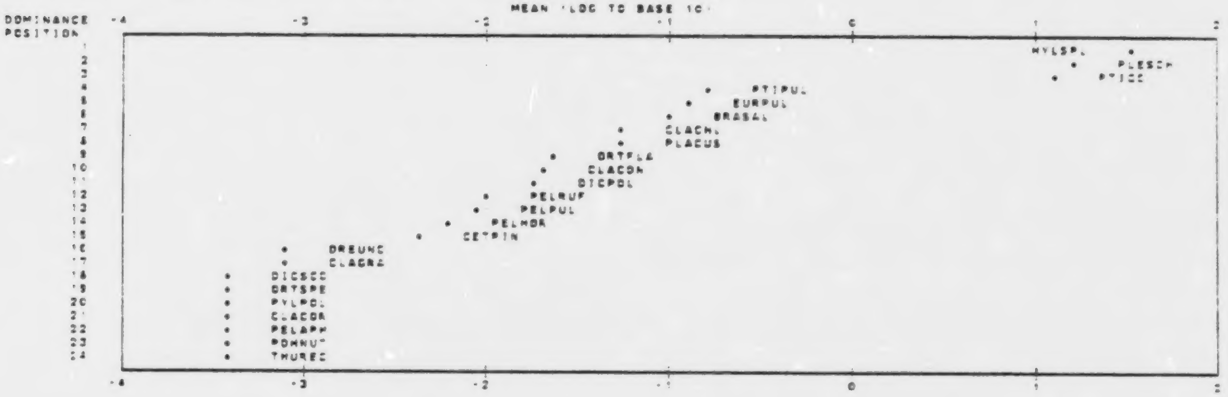
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU16							
	0A	58 130	8	010	1	58 140	9
	0C	75 200	4	030	3	75 230	7
	0E	81 220	7	010	1	81 230	8
	0G	88 130	8	030	3	88 160	11
	0I	60 430	9	130	4	60 560	13
	2I	22 220	7	010	1	22 230	8
	2G	55 120	6	020	2	55 140	8
	2E	77 330	9	030	3	77 360	12
	2C	39 130	8	010	1	39 140	9
	2A	50 130	7	040	4	50 170	11
	4A	65 210	6	220	4	65 430	10
	4C	70 400	7	060	6	70 460	13
	4E	90 130	7	020	2	90 150	9
	4G	74 220	8	120	3	74 340	11
	4I	75 300	6	100	1	75 400	7
	5I	75 040	7	030	3	75 070	10
	6G	70 130	7	020	2	70 150	9
	6E	40 130	7	020	2	40 150	9
	6C	70 210	6	220	4	70 430	10
	6A	38 230	8	130	4	38 360	12
	8A	70 020	5	050	5	70 070	10
	8C	38 110	5	120	4	38 230	9
	8E	90 220	7	020	2	90 240	9
	8G	61 210	6	110	2	61 320	8
	8I	67 020	6	010	1	67 030	7
Mean		62 10478	6 84	10280	2 72	62 20757	8 56

Hondo-Slave Lake Stand 4: 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE S182825 (CREATION DATE = 04/16/83) Stand 4 (128 y old Spruce-Fir) 1982 Bryoid Cover % Data (5x5 m)
SUBFILE AU18

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	56.000	0.10280	0.27283	0.05457	0.53080	0.0	1.00000
Dicranum scoparium	DICSCO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Dicranum polysetum	DICPOL	25	36.000	0.01800	0.03674	0.00735	0.40825	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Eurhynchium pulchellum	EURPUL	25	72.000	0.12640	0.39322	0.07865	0.62220	0.0	2.00000
Hylocomium splendens	HYLSPL	25	100.000	33.72000	16.11552	3.22310	0.09558	3.00000	60.00000
Orthodicranum flagellare	ORTFLA	25	52.000	0.02320	0.03945	0.00789	0.34005	0.0	0.10000
Orthotricum speciosum	ORTSPE	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Plagiomnium cuspidatum	PLACUS	25	52.000	0.05200	0.19931	0.03986	0.76656	0.0	1.00000
Pleurozium schreberi	PLESCH	25	100.000	15.96000	9.26679	1.85336	0.11613	2.00000	40.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	100.000	12.92840	9.93402	1.98680	0.15368	0.01000	30.00000
Ptilidium pulcherrimum	PTIPUL	25	88.000	0.17120	0.42758	0.08552	0.49952	0.0	2.00000
Pylaisiella polyantha	PYLPOL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	44.000	0.00440	0.00507	0.00101	0.23028	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	32.000	0.05240	0.19827	0.03965	0.75675	0.0	1.00000
Cladonia coniocraea	CLACON	25	52.000	0.01960	0.03611	0.00722	0.36848	0.0	0.10000
Cladonia cornuta	CLACOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Peltigera rufescens	PELRUF	25	32.000	0.01040	0.02731	0.00546	0.52513	0.0	0.10000
Peltigera pulverulenta	PELPUL	25	12.000	0.00640	0.02764	0.00553	0.86411	0.0	0.10000
Pohlia nutans	POHNUT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Thuidium recognitum	THUREC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 24 POSITIVE MEANS: SIMPSON'S INDEX OF DOMINANCE CONCENTRATION, C = 0.3902
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 1.0707 (NATURAL LOGARITHMS)

24 OF THE 29 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 63.2076



Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 6
Statistics for Synthetic Cover and Species Richness Variables
FILE S182825 CREATION DATE = 04/16/83 Stand 6 (128 y old Spruce-Fir) 1982 Bryoid Cover % Data (5x5 m)
SUBFILE AU16

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	62.10476	17.55211	3.51642	0.05576	22.21999	90.21999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	5.64000	1.21381	0.24276	0.03845	4.00000	9.00000
Mean Lichen Cover	LICHENCV	25	100.000	0.10280	0.22080	0.04416	0.42976	0.01000	1.12000
Mean Lichen Species Richness	LICHENRP	25	100.000	2.72000	1.40000	0.28000	0.10294	1.00000	8.00000
Mean Cover of All Species	TOTALCV	25	100.000	62.20757	17.52578	3.50516	0.05645	22.22999	90.23997
Mean Richness of All Species	TOTALRP	25	100.000	9.58000	1.75764	0.35157	0.03677	7.00000	13.00000

SEADYN Project. Mongo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	BRASAL	DICPOL	DREUNC	EURPUL	HEPSP	HYLSPL	ORTPLA	PLACUS	PLESCH	PTICC	PTIPUL	PYLPOL	RHYTRI	THUREC	TOMNIT	CLACEN
MA[illegible]																	
	1B	5.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	2.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1F	3.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1H	2.000	0.0	0.0	.100	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	3.000	0.0	0.0	7.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	1.000	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	10.000	0.0	0.0	.100	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	.010	0.0	0.0	3.000	0.0	0.0	0.0	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	.010	5.000	0.0	.010	0.0	.100	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5B	1.000	0.0	0.0	3.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	25.000	0.0	0.0	.010	0.0	0.0	0.0	1.000	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	10.000	0.0	0.0	.010	0.0	2.000	0.0	4.000	1.000	0.0	0.0	.010	0.0	0.0	0.0	0.0
	5H	4.000	0.0	.010	.100	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	2.000	0.0	0.0	.100	0.0	0.0	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	4.000	0.0	1.000	2.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0
	7H	1.000	0.0	0.0	.100	0.0	10.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	2.000	0.0	3.000	.100	0.0	0.0	0.0	.100	5.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	7D	6.000	0.0	.010	.100	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	8.000	0.0	.100	.010	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0
	9B	4.000	0.0	0.0	0.0	0.0	.100	0.0	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	.100	0.0	0.0	.010	0.0	2.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	2.000	0.0	0.0	4.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	3.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	.100	0.0	0.0	3.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		3.8488	.20000	.16480	1.0308	0	.56800	0	1.4840	4.3280	.08520	0	.00040	0	.08040	0	0
JN2[illegible]																	
	1B	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1D	2.000	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	1.000	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1H	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	15.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	4.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	20.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	.100	0.0	0.0	4.000	0.0	0.0	0.0	.100	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	[illegible]	6.000	0.0	.010	0.0	.100	0.0	.100	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5B	5.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	8.000	0.0	0.0	0.0	0.0	5.000	0.0	2.000	1.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5H	.100	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	1.000	0.0	0.0	2.000	0.0	0.0	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	5.000	0.0	1.000	1.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	7H	2.000	0.0	0.0	1.000	15.000	0.0	0.0	.100	1.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	7F	.100	0.0	0.0	3.000	0.0	0.0	0.0	1.000	5.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	7D	3.000	0.0	.100	.100	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	20.000	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	1.000	0.0	0.0	0.0	0.0	1.000	0.0	4.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	0.0	0.0	0.0	2.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	4.000	0.0	0.0	10.000	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	6.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	1.000	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		5.2820	.24000	.04400	1.4492	.60000	.32400	0	1.0924	4.6040	.16560	0	0	0	.04000	0	0
JL27																	
	1B	3.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	2.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	2.000	0.0	0.0	1.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	1.000	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	4.000	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	3.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	12.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	.100	0.0	0.0	3.000	0.0	0.0	0.0	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	5.000	.010	.100	0.0	1.000	0.0	.100	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5B	3.000	0.0	0.0	.100	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	20.000	0.0	0.0	.100	0.0	0.0	0.0	2.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	10.000	0.0	0.0	0.0	0.0	3.000	0.0	2.000	1.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5H	2.000	0.0	0.0	1.000	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	3.000	0.0	0.0	1.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	5.000	0.0	3.000	2.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	7H	1.000	0.0	0.0	2.000	0.0	8.000	0.0	2.000	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	1.000	0.0	0.0	2.000	0.0	0.0	0.0	1.000	4.000	1.000	0.0	2.000	0.0	0.0	0.0	0.0
	7D	5.000	0.0	.100	1.000	0.0	1.000	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	25.000	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	3.000	0.0	.010	0.0	0.0	.100	0.0	3.000	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	.100	0.0	0.0	0.0	0.0	3.000	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	2.000	0.0	0.0	8.000	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	9J	.100	0.0	0.0	4.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		4.5320	.20000	.12480	1.6924	0	.64400	0	1.4964	4.6800	.12040	.00040	.08000	0	.04000	0	0
AU24																	
	1B	2.000	0.0	0.0	2.000	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	3.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	3.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1H	1.000	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	4.000	0.0	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	5.000	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	15.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	1.000	0.0	0.0	3.000	0.0	0.0	0.0	.100	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	1.000	10.000	0.0	0.0	0.0	1.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	3.000	0.0	0.0	1.000	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	25.000	0.0	0.0	.010	0.0	0.0	0.0	1.000	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	10.000	0.0	0.0	0.0	0.0	5.000	0.0	2.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	3.000	0.0	0.0	1.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	2.000	0.0	0.0	2.000	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0
	7J	20.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	1.000	0.0	0.0	.100	0.0	30.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.010	0.0
	7F	.010	0.0	0.0	2.000	0.0	0.0	0.0	.100	5.000	0.0	0.0	1.000	0.0	0.0	0.0	0.0
	7D	7.000	0.0	0.0	.010	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	20.000	0.0	.100	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	10.000	0.0	0.0	0.0	0.0	.100	0.0	3.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	0.0	0.0	0.0	3.000	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.000	0.0	0.0	7.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Communit.
Species Cover % Values By 7x 7 m Plots

Date	Plot	BRASAL	DICPOL	DREUNC	EURPUL	HEPSP	HYLSPL	ORTPLA	PLACUS	PLESCH	PTICI	PTIPUL	PYLPOL	RHYTRI	THUREC	TOMNIT	CLACEN
	9H	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	9L	1.000	0.0	.100	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		5.9606	.40000	.00800	1.8893	0	1.5640	0	1.2884	4.9840	.08440	.00040	.04000	0	.00400	.00040	0
OCT9	1B	5.000	0.0	0.0	3.000	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	1.000	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	2.000	0.0	0.0	.000	0.0	0.0	0.0	.100	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	1H	1.000	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	4.000	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	3.000	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	7.000	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	5.000	0.0	.100	0.0	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	.100	5.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	2.000	0.0	0.0	2.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	30.000	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	15.000	0.0	0.0	0.0	0.0	5.000	0.0	5.000	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	3.000	0.0	.100	10.000	0.0	0.0	0.0	3.000	0.0	.010	0.0	0.0	0.0	1.000	0.0	0.0
	5L	2.000	0.0	0.0	2.000	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	3.000	0.0	2.000	2.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	1.000	0.0	0.0	1.000	0.0	20.000	0.0	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	1.000	0.0	.100	5.000	0.0	0.0	0.0	.100	4.000	.010	0.0	.100	0.0	0.0	0.0	0.0
	7D	4.000	0.0	0.0	1.000	0.0	.100	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	10.000	0.0	.100	.010	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	15.000	0.0	0.0	0.0	0.0	1.000	0.0	5.000	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	1.000	0.0	0.0	0.0	0.0	2.000	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	9.000	0.0	0.0	20.000	0.0	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	9L	1.000	0.0	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
Mean		5.0844	.20000	.09200	3.2204	0	1.1720	0	2.1000	4.6800	.20520	.00440	.00400	0	.04000	0	0

TRANSPACE REQUIRED 600 BYTES
6 TRANSFORMATIONS
6 RECODE VALUES + LAG VARIABLES
36 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0.21 SECONDS

```
41 REPORT     FORMAT = NOSPACE(1) BRKSPACE 0 FTSPACE 0 LIST
42            VARIABLES = PLOTNO Plot (4) CLACHL TO DICSCO (8)
43            HEAD = 'SEADYN Project  Hondo-Slave Lake  Stand 5
44            'Monthly Survey of Bryophyte and Lichen Community
45            'Species Cover % Values By  7x 7 m Plots'
46            BREAK = SUBFILE 'Date' (4)
47            SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2226 BYTES FOR THIS TASK

SEADYN Project, Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELPOL	PELRUF	PELHOR	ICMERI	CLARAN	DICSCO
MA08													
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0400	0	0	0	0	0	0	0.0440	0	0	0	0
JN2[illegible]													
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	0	0	0	0	0	0.4000	0.0400	0	0	0	0
JL27													
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0400	0	0	0	0	0	0	0.8400	0	0	0	0
AU24													
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELPOL	PELRUF	PELHOR	ICMERI	CLARAN	DICSCO
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	0	0	0	0	0	0	0.4440	0	0	0	0
SEPT													
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0400	0	0	0	0	0	0.0400	0.5240	0	0	0	0

SEADYN Project Mongo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables By 7x 7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MA05							
	1B	25 010	3	010	1	25 020	4
	1D	3 110	4	0 0	0	3 110	4
	1F	3 020	3	0 0	0	3 020	3
	1H	3 100	3	0 0	0	3 100	3
	1J	10 010	3	0 0	0	10 010	3
	3J	2 000	2	0 0	0	2 000	2
	3H	10 110	3	0 0	0	10 110	3
	3F	5 110	4	0 0	0	5 110	4
	3D	80 000	1	0 0	0	80 000	1
	3B	5 130	5	0 0	0	5 130	5
	5B	5 000	3	0 0	0	5 000	3
	5D	24 020	5	0 0	0	24 020	5
	5F	17 010	5	0 0	0	17 010	5
	5H	8 110	4	0 0	0	8 110	4
	5J	12 100	4	0 0	0	12 100	4
	7J	7 010	4	100	1	7 110	5
	7H	11 200	4	0 0	0	11 200	4
	7F	10 300	6	100	1	10 400	7
	7D	8 120	5	0 0	0	8 120	5
	7B	10 110	4	0 0	0	10 110	4
	9B	7 200	4	0 0	0	7 200	4
	9D	3 110	4	0 0	0	3 110	4
	9F	11 000	3	0 0	0	11 000	3
	9H	3 010	2	0 0	0	3 010	2
	9J	3 110	3	0 0	0	3 110	3
Mean		11 78040	3 64	00840	12	11 78880	3 76
JN2							
	1B	18 010	3	0 0	0	18 010	3
	1D	4 000	2	0 0	0	4 000	2
	1F	1 110	3	0 0	0	1 110	3
	1H	2 000	2	0 0	0	2 000	2
	1J	20 000	2	0 0	0	20 000	2
	3J	5 000	2	0 0	0	5 000	2
	3H	20 010	2	100	1	20 110	3
	3F	7 200	4	0 0	0	7 200	4
	3D	80 000	1	0 0	0	80 000	1
	3B	7 220	6	0 0	0	7 220	6
	5B	5 010	3	0 0	0	5 010	3
	5D	33 000	2	0 0	0	33 000	2
	5F	14 010	5	0 0	0	14 010	5
	5H	3 100	2	1 000	1	4 100	3
	5J	11 000	4	0 0	0	11 000	4
	7J	8 010	4	0 0	0	8 010	4
	7H	18 200	6	0 0	0	18 200	6
	7F	10 100	5	0 0	0	10 100	5
	7D	8 200	4	0 0	0	8 200	4
	7B	22 000	2	0 0	0	22 000	2
	9B	8 100	4	0 0	0	8 100	4
	9D	5 000	3	0 0	0	5 000	3
	9F	18 000	2	0 0	0	18 000	3
	9H	5 000	1	0 0	0	5 000	1
	9J	5 000	2	0 0	0	5 000	2
Mean		13 83120	3 04	04400	02	13 87520	3 12
JL27							
	1B	24 000	3	0 0	0	24 000	3
	1D	7 000	2	0 0	0	7 000	2
	1F	3 100	3	0 0	0	3 100	3
	1H	2 000	2	0 0	0	2 000	2
	1J	14 000	2	0 0	0	14 000	2
	3J	4 000	2	0 0	0	4 000	2
	3H	12 010	2	100	1	12 110	3
	3F	5 200	4	1 000	1	6 200	5
	3D	85 000	1	0 0	0	85 000	1
	3B	6 220	6	0 0	0	6 220	6
	5B	5 100	3	0 0	0	5 100	3
	5D	22 100	4	0 0	0	22 100	4
	5F	17 000	5	0 0	0	17 000	5
	5H	7 000	3	0 0	0	7 000	3
	5J	10 000	4	0 0	0	10 000	4
	7J	10 100	4	1 000	1	11 100	5
	7H	18 000	5	0 0	0	18 000	5
	7F	11 000	6	100	1	11 100	7
	7D	15 100	5	0 0	0	15 100	5
	7B	28 000	2	0 0	0	28 000	2
	9B	8 110	5	0 0	0	8 110	5
	9D	5 100	3	0 0	0	5 100	3
	9F	13 000	3	0 0	0	13 000	3
	9H	5 010	2	0 0	0	5 010	2
	9J	4 110	3	0 0	0	4 110	3
Mean		13 61040	3 36	08800	16	13 69840	3 52
AU24							
	1B	14 000	3	0 0	0	14 000	3
	1D	8 000	2	0 0	0	8 000	2
	1F	4 010	3	0 0	0	4 010	3
	1H	3 000	2	0 0	0	3 000	2
	1J	19 000	2	0 0	0	19 000	2
	3J	5 100	2	0 0	0	5 100	2
	3H	20 000	2	100	1	20 100	3
	3F	5 100	4	1 000	1	6 100	5
	3D	85 010	2	0 0	0	85 010	2
	3B	12 010	4	0 0	0	12 010	4
	5B	6 000	3	0 0	0	6 000	3
	5D	28 010	4	0 0	0	28 010	4
	5F	18 000	4	0 0	0	18 000	4
	5H	9 000	3	0 0	0	9 000	3
	5J	8 100	4	0 0	0	8 100	4
	7J	20 010	2	100	1	20 110	3
	7H	31 210	5	0 0	0	31 210	5
	7F	8 110	5	0 0	0	8 110	5
	7D	10 010	2	0 0	0	10 010	2
	7B	23 100	3	0 0	0	23 100	3
	9B	13 200	4	0 0	0	13 200	4
	9D	8 000	3	0 0	0	8 000	3
	9F	13 000	3	0 0	0	13 000	3

SEACHS Project. Honda-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x7 m Plots

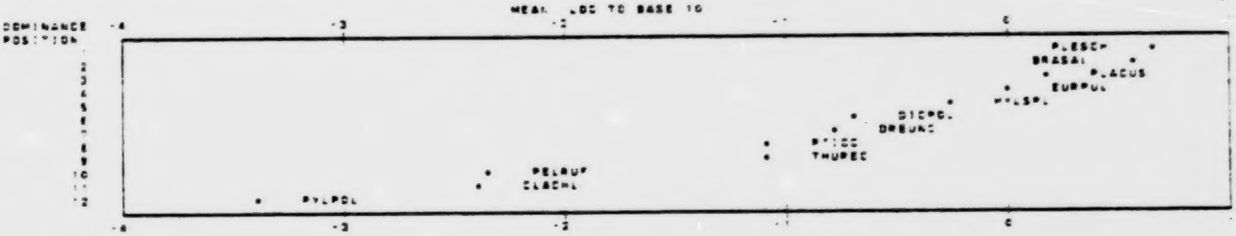
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	10.010	2	.010	1	10.020	3
	9J	6.100	3	0.0	0	6.100	3
Mean		15.32360	2.08	.04840	.16	15.37200	2.24
0209							
	1B	33.000	3	.010	1	33.010	4
	1D	4.000	2	0.0	0	4.000	2
	1F	3.200	4	0.0	0	3.200	4
	1H	1.100	2	0.0	0	1.100	2
	1J	10.000	3	0.0	0	10.000	3
	2J	6.000	2	1.000	1	7.000	3
	2H	9.010	3	.100	1	9.110	4
	2F	6.200	4	.100	1	6.300	5
	2D	40.010	2	0.0	0	40.010	2
	2B	5.200	3	0.0	0	5.200	3
	5B	6.000	3	0.0	0	6.000	3
	5D	35.000	3	0.0	0	35.000	3
	5F	27.000	4	0.0	0	27.000	4
	5H	18.110	5	0.0	0	18.110	5
	5J	10.000	4	0.0	0	10.000	4
	7J	8.000	4	.100		8.100	5
	7H	25.100	5	0.0	0	25.100	5
	7F	10.310	7	.100	1	10.410	8
	7D	14.100	4	0.0	0	14.100	4
	7B	15.110	4	0.0	0	15.110	4
	9B	23.000	4	0.0	0	23.000	4
	9D	5.000	3	0.0	0	5.000	3
	9F	55.000	3	0.0	0	55.000	3
	9H	6.100	2	.100	1	6.200	3
	9J	8.010	3	0.0	0	8.010	3
Mean		15.80240	3.40	.08040	.28	15.88280	3.68

Horne-Slave Lake Stand 5 1982 Bryoid Comm. Monthly Survey 04/15/83 PAGE 6
Descriptive Statistics for Each Species Variable and the Stand
FILE S5829 5 (CREATION DATE = 04/15/83) Stand 5 70 y old Mixed Wood 1982 Bryoid Cover Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	96.000	3.84480	5.23485	1.04697	0.27262	0.0	25.00000
Dicranum polysetum	DICPOL	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Drepanocladus uncinatus	DREUNC	25	20.000	0.16480	0.62354	0.12471	0.75672	0.0	3.00000
Eurhynchium pulchellum	EURPUL	25	68.000	1.03080	1.76195	0.35239	0.34186	0.0	7.00000
Hepatic sp	HEPSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	20.000	0.56800	2.04078	0.40816	0.71856	0.0	10.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	76.000	1.45400	2.22839	0.44568	0.30652	0.0	8.00000
Pleurozium schreberi	PLESCH	25	28.000	4.32800	16.28103	3.25621	0.75236	0.0	80.00000
Ptilium crista-castrensis	PTICC	25	20.000	0.08520	0.39942	0.07988	0.93760	0.0	2.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pylaisiella polyantha	PYLPOL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	8.000	0.08040	0.39992	0.07998	0.99483	0.0	2.00000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.00440	0.02002	0.00400	0.90909	0.0	0.10000
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 12 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2660
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.5561 (NATURAL LOGARITHMS)

12 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 11.7648

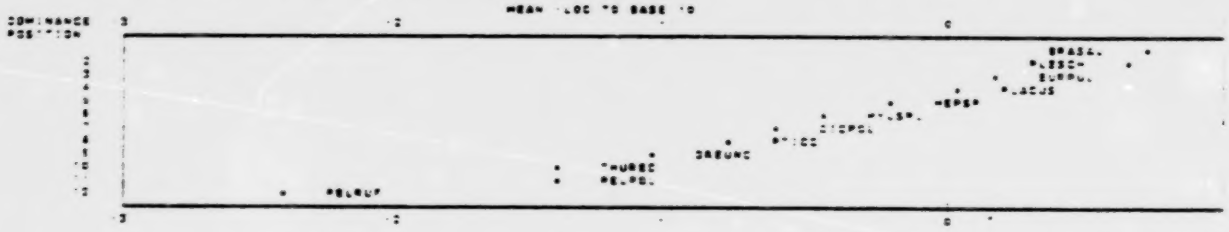


Hondo-Slave Lake Stand 5 1982 Bryoid Comm Monthly Survey — 04/18/83 — PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE [illegible] (CREATION DATE = 04/18/83) Stand 5 [illegible] Old Mixed Wood 1982 Bryoid Cover Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	96.000	5.28200	7.87061	1.53400	0.2[illegible]	0.0	30.00000
Dicranum polysetum	DICPOL	25	4.000	0.24000	1.20000	0.24000	1.00000	0.0	6.00000
Drepanocladus uncinatus	DREUNC	25	8.000	0.08400	0.3[illegible]	0.07983	0.95[illegible]	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	64.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	10.00000
Hepatic sp	HEPSP	25	4.000	0.60000	3.00000	0.60000	1.00000	0.0	15.00000
Hylocomium splendens	HYLSPL	25	16.000	0.28400	[illegible]	0.22[illegible]	0.8[illegible]	0.0	5.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	52.000	1.09240	1.90609	0.38122	0.34[illegible]	0.0	7.00000
Pleurozium schreberi	PLESCH	25	28.000	4.60400	18.06365	3.61273	0.78469	0.0	90.00000
Ptilium crista-castrensis	PTICRI	25	28.000	0.[illegible]	0.62222	0.12[illegible]	0.7[illegible]	0.0	3.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera rufescens	PELRUF	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 12 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.[illegible] NATURAL LOGARITHMS

12 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 12.9752

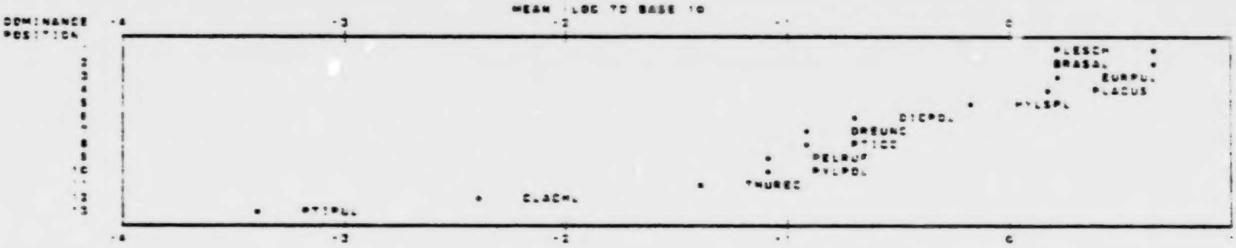


Hondo-Slave Lake Stand 5 1982 Bryoid Comm Monthly Survey 04/15/83 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE SS628 5 (CREATION DATE = 04/15/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7b 7 m
SUBFILE JL27

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	32.000	4.53200	6.17641	1.23528	0.27257	0.0	25.00000
Dicranum polysetum	DICPOL	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Drepanocladus uncinatus	DREUNC	25	16.000	0.12480	0.59933	0.11987	0.96047	0.0	3.00000
Eurhynchium pulchellum	EURPUL	25	72.000	1.69240	2.58541	0.51708	0.30552	0.0	10.00000
Hepatic sp	HEPSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	24.000	0.64400	1.75164	0.35034	0.54400	0.0	8.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	72.000	1.48640	1.94788	0.38957	0.26034	0.0	8.00000
Pleurozium schreberi	PLESCH	25	28.000	4.68000	17.21366	3.44273	0.73563	0.0	85.00000
Ptilium crista-castrensis	PTICC	25	16.000	0.13040	0.33152	0.06630	0.50848	0.0	1.00000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pylaisiella polyantha	PYLPOL	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	12.000	0.08400	0.27641	0.05528	0.65811	0.0	1.00000
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 13 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2560
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.6040 (NATURAL LOGARITHMS)

13 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 13.6984

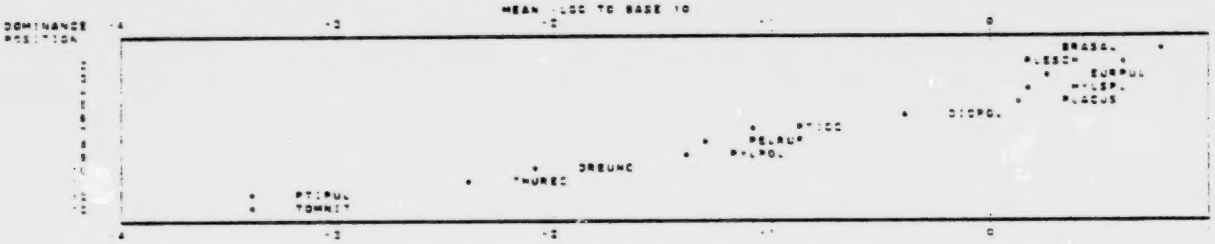


Menge-Steve Lake Stand 5 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 5
Descriptive Statistics for Each Species Variable and the Stand
FILE 55828 5 CREATION DATE = 04/18/83 Stand 5 73 y old Mixed Wood 1982 Bryoid Cover Data 7x 7 m
SUBFILE AU24

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	100.000	5.96080	7.07906	1.41582	0.23752	0.01000	25.00000
Dicranum polysetum	DICPOL	25	4.000	0.40000	2.00000	0.40000	1.00000	0.0	10.00000
Drepanocladus uncinatus	DREUNC	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Eurhynchium pulchellum	EURPUL	25	56.000	2.64520	3.34037	0.66807	0.25262	0.0	15.00000
Hepatic sp	HEPSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	20.000	1.58400	6.03413	1.20683	0.76163	0.0	30.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	56.000	1.28840	1.68968	0.33794	0.26229	0.0	5.00000
Pleurozium schreberi	PLESCH	25	24.000	4.08400	16.99382	3.39876	0.83224	0.0	85.00000
Ptilium crista-castrensis	PTICC	25	12.000	0.08440	0.39958	0.07992	0.94688	0.0	2.00000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pylaisiella polyantha	PYLPOL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Tomenthypnum nitens	TOMNIT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	16.000	0.04640	0.20016	0.04003	0.86271	0.0	1.00000
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 13 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2542
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.5812 NATURAL LOGARITHMS

13 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 15.3720

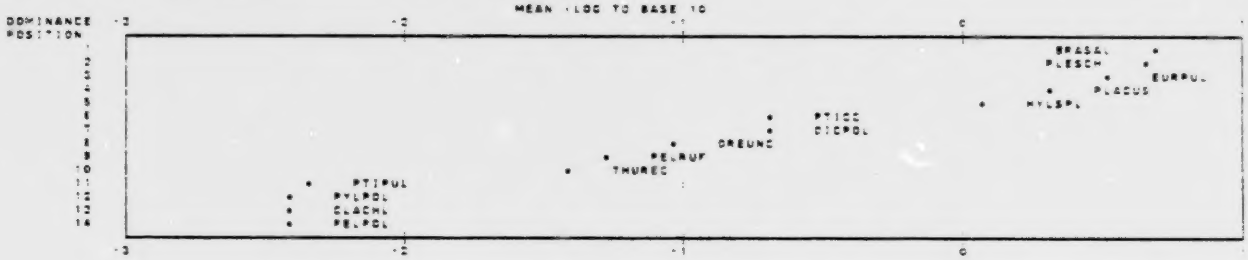


Mondo-Slave Lake Stand 5 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE 55628.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE 0C09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	56.000	5.08440	6.67312	1.33462	0.26249	0.0	30.00000
Dicranum polysetum	DICPOL	25	4.000	0.20000	1.00000	0.20000	1.00000	0.0	5.00000
Drepanocladus uncinatus	DREUNC	25	16.000	0.08200	0.38887	0.07577	0.86712	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	52.000	3.32040	6.14198	1.22840	0.36995	0.0	30.00000
Hepatic sp	HEPSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	28.000	1.17200	4.08600	0.81720	0.69727	0.0	20.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	64.000	2.10000	4.22197	0.84439	0.40209	0.0	20.00000
Pleurozium schreberi	PLESCH	25	28.000	4.68000	16.47148	3.29430	0.70391	0.0	80.00000
Ptilium crista-castrensis	PTICC	25	20.000	0.20520	0.99912	0.19982	0.97380	0.0	5.00000
Ptilidium pulcherrimum	PTIPUL	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Rhytidiadelphus triquetrus	RHYTRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	20.000	0.05240	0.20015	0.04003	0.76394	0.0	1.00000
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum scoparium	DICSCO	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 14 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION, C = 0.2247
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 1.6532 (NATURAL LOGARITHMS)

14 OF THE 28 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 16.9128



Hondo-Slave Lake Stand 5 (1982 Bryoid Comm. Monthly Survey) 04/16/83 PAGE 12
Statistics for Synthetic Cover and Species Richness Variables
FILE SS828.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE MA06

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	11.78040	15.62081	3.12416	0.26565	3.00000	80.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.64000	1.11355	0.22271	0.06118	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	12.000	0.00840	0.02784	0.00553	0.658[illegible]	0.0	0.10000
Mean Lichen Species Richness	LICHENRP	25	12.000	0.12000	0.33166	0.06633	0.55277	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	11.78880	15.61953	3.12391	0.26544	3.00000	80.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.76000	1.23422	0.24685	0.06565	1.00000	7.00000

Hondo-Slave Lake Stand 5 (1982 Bryoid Comm. Monthly Survey) 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE SS828.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE JN21

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	13.83120	17.67443	3.53489	0.25374	1.11000	90.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.04000	1.42829	0.28566	0.09397	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Mean Lichen Species Richness	LICHENRP	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	13.87520	17.65145	3.53029	0.25[illegible]	1.11000	90.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.12000	1.39403	0.27881	0.08936	1.00000	6.00000

Hondo-Slave Lake Stand 5 (1982 Bryoid Comm. Monthly Survey) 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE SS828.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE JL27

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	13.61040	16.36841	3.27368	0.24052	3.00000	85.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.36000	1.38083	0.27617	0.08219	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	16.000	0.08800	0.27586	0.05517	0.62688	0.0	1.00000
Mean Lichen Species Richness	LICHENRP	25	16.000	0.16000	0.37417	0.07483	0.46771	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	13.69840	16.35823	3.27165	0.23885	3.00000	85.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.52000	1.50333	0.30067	0.08542	1.00000	7.00000

Hondo-Slave Lake Stand 5 (1982 Bryoid Comm. Monthly Survey) 04/16/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE SS828.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE AU24

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	15.22360	16.40654	3.28131	0.21[illegible]	3.00000	85.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.08000	0.95394	0.19079	0.06194	1.00000	5.00000
Mean Lichen Cover	LICHENCV	25	16.000	0.04840	0.20015	0.04003	0.827[illegible]	0.0	1.00000
Mean Lichen Species Richness	LICHENRP	25	12.000	0.16000	0.374[illegible]	0.07483	0.46771	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	15.37200	16.38402	3.27680	0.21317	3.00000	85.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.24000	0.92556	0.18511	0.05713	1.00000	5.00000

Hondo-Slave Lake Stand 5 (1982 Bryoid Comm. Monthly Survey) 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE SS828.5 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE OC05

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	16.90240	18.24221	3.64844	0.21585	1.10000	80.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.40000	1.19024	0.23805	0.07001	2.00000	7.00000
Mean Lichen Cover	LICHENCV	25	22.000	0.06040	0.19568	0.03914	0.648[illegible]	0.0	1.00000
Mean Lichen Species Richness	LICHENRP	25	22.000	0.28000	0.45826	0.09165	0.32733	0.0	1.00000
Mean Cover of All Species	TOTALCV	25	100.000	16.96280	18.20852	3.64170	0.21469	1.10000	80.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.68000	1.31403	0.26281	0.07141	2.00000	6.00000

SEADYN Project, Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	BRASAL	DICPOL	DREUNC	EURPUL	HEPSP	HYLSPL	ORTFLA	PLACUS	PLESCH	PTICC	PTIPUL	PYLPOL	RHYTRI	THUREC	TOMNIT	CLACEN
AU14																	
	0A	2.000	0.0	0.0	1.000	0.0	1.000	0.0	1.000	3.000	.100	0.0	.100	0.0	0.0	0.0	0.0
	0C	3.000	0.0	.100	.010	0.0	2.000	0.0	0.0	1.000	0.0	.010	0.0	0.0	0.0	0.0	0.0
	0E	2.000	0.0	.010	1.000	0.0	.100	0.0	.100	0.0	.010	0.0	.100	0.0	0.0	0.0	0.0
	0G	1.000	0.0	.100	1.000	0.0	1.000	0.0	1.000	2.000	0.0	.010	.010	0.0	0.0	0.0	0.0
	0I	2.000	0.0	0.0	1.000	0.0	.100	0.0	.100	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	2I	2.000	0.0	.100	2.000	0.0	.010	0.0	1.000	.100	.100	0.0	0.0	0.0	0.0	0.0	0.0
	2G	2.000	.010	.010	0.0	0.0	1.000	0.0	1.000	4.000	2.000	.100	.010	0.0	.010	0.0	0.0
	2E	2.000	0.0	.100	.010	0.0	1.000	0.0	0.0	25.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	2C	3.000	0.0	.100	.100	0.0	1.000	0.0	.100	3.000	.100	0.0	.010	0.0	.100	0.0	0.0
	2A	4.000	0.0	0.0	1.000	0.0	.010	0.0	1.000	2.000	.010	.010	0.0	0.0	0.0	0.0	0.0
	4A	2.000	0.0	.100	1.000	0.0	.100	0.0	0.0	.100	0.0	.010	.100	.100	0.0	0.0	0.0
	4C	5.000	0.0	0.0	.100	0.0	1.000	0.0	1.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0
	4E	4.000	0.0	1.000	2.000	0.0	1.000	0.0	2.000	1.000	.100	0.0	.100	0.0	0.0	0.0	0.0
	4G	8.000	0.0	.100	2.000	0.0	1.000	0.0	1.000	1.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	4I	5.000	0.0	.010	1.000	0.0	1.000	0.0	2.000	.100	0.0	0.0	.010	0.0	0.0	0.0	0.0
	6I	2.000	0.0	.010	1.000	0.0	2.000	0.0	1.000	1.000	.010	0.0	.100	0.0	.010	0.0	0.0
	6G	3.000	0.0	.010	2.000	0.0	2.000	0.0	1.000	1.000	1.000	0.0	.100	0.0	.100	0.0	0.0
	6E	10.000	0.0	.010	2.000	0.0	2.000	0.0	3.000	1.000	.100	0.0	.100	0.0	0.0	0.0	0.0
	6C	4.000	0.0	.100	3.000	0.0	1.000	0.0	5.000	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0
	6A	2.000	0.0	.010	2.000	0.0	.100	0.0	1.000	.100	.100	0.0	0.0	0.0	0.0	0.0	0.0
	8A	3.000	.010	0.0	3.000	0.0	1.000	0.0	2.000	4.000	1.000	0.0	.100	0.0	0.0	0.0	0.0
	8C	4.000	.100	.100	2.000	0.0	.100	0.0	2.000	2.000	1.000	0.0	.100	0.0	.100	0.0	0.0
	8E	3.000	0.0	1.000	3.000	0.0	1.000	0.0	4.000	0.0	.100	0.0	.010	0.0	0.0	0.0	0.0
	8G	2.000	0.0	.100	1.000	0.0	.010	0.0	.100	2.000	.010	.010	0.0	0.0	0.0	0.0	0.0
	8I	1.000	0.0	0.0	1.000	0.0	1.000	0.0	.100	1.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
Mean		3.2800	.00480	.12280	1.3288	0	.88120	0	1.2200	2.1760	.28160	.00800	.04240	.00400	.01280	0	0

```
TRANSPACE REQUIRED          600 BYTES
      6 TRANSFORMATIONS
      8 RECODE VALUES + LAG VARIABLES
     38 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED        0.15 SECONDS


               41 REPORT          FORMAT = HDSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
               42                 VARIABLES = PLOTNO(Plot)(4) CLACHL TO DICSCO (8)
               43                 HEAD = 'SEADYN Project. Hondo-Slave Lake  Stand 5'
               44                 'Monthly Survey of Bryophyte and Lichen Community'
               45                 'Species Cover % Values by 5x5 m Plots' /
               46                 BREAK = SUBFILE 'Date' (4)
               47                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2228 BYTES FOR THIS TASK
```

SEADYN Project. Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community,
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACHL	CLACON	CLAGRA	CLAMUL	PELAPH	PELCAN	PELPOL	PELRUF	PELHOR	ICMERI	CLARAN	DICSCO
AU14													
	0A	010	0 0	0 0	0 0	0 0	0 0	010	100	100	0 0	0 0	0 0
	0C	100	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	0E	010	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	010	0 0	0 0
	0G	0 0	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0
	0I	0 0	0 0	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0
	2I	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	2G	010	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	2E	0 0	0 0	0 0	010	0 0	0 0	0 0	010	0 0	0 0	010	0 0
	2C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	2A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	4A	0 0	010	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	4C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	4E	010	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	4G	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0
	4I	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	6I	0 0	0 0	0 0	0 0	010	0 0	0 0	100	0 0	0 0	0 0	0 0
	6G	010	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	010
	6E	010	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	6C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	6A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8A	100	0 0	0 0	0 0	0 0	0 0	010	0 0	100	0 0	0 0	0 0
	8C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	8E	0 0	010	0 0	0 0	0 0	0 0	0 0	000	0 0	0 0	0 0	0 0
	8G	010	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	8I	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
Mean		01080	00080	0	00040	00040	0	00200	04800	00800	00040	00040	00040

SEADYN Project Mongo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

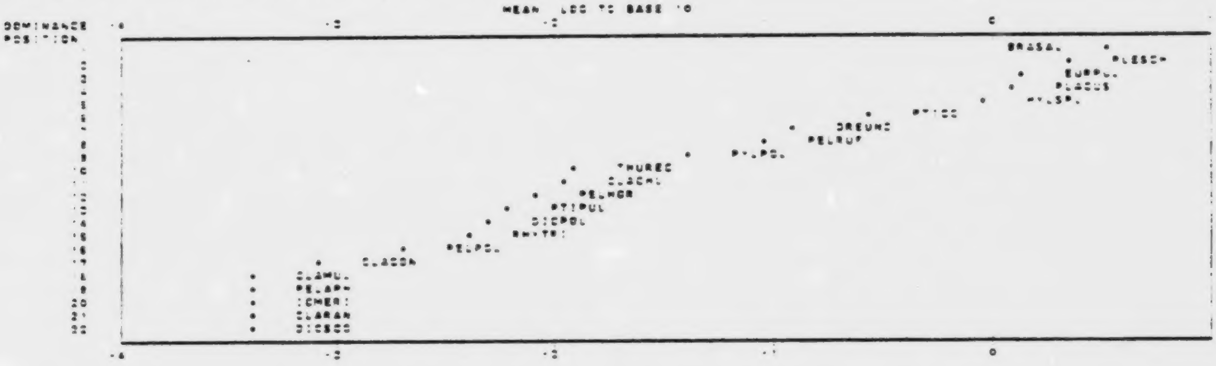
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU14							
	0A	8.200	7	.220	4	8.420	11
	0C	5.120	6	.200	2	5.320	8
	0E	3.320	7	.120	3	3.440	10
	0G	8.120	8	.020	2	8.140	10
	0I	3.300	5	.020	2	3.320	7
	2I	5.310	7	.100	1	5.410	8
	2G	11.140	10	.020	2	11.160	12
	2E	28.110	6	.030	3	28.140	9
	2C	7.510	9	.010	1	7.520	10
	2A	8.030	7	.100	1	8.130	8
	4A	3.510	8	.020	2	3.530	10
	4C	7.200	5	.100	1	7.300	6
	4E	11.200	8	.020	2	11.220	10
	4G	13.200	7	.010	1	13.210	8
	4I	9.120	7	.100	1	9.220	8
	6I	7.130	9	.110	2	7.240	11
	6G	10.220	10	.110	2	10.330	12
	6E	16.210	8	.020	2	16.230	10
	6C	13.110	6	.100	1	13.210	7
	6A	5.310	7	0.0	0	5.310	7
	8A	14.110	8	.210	3	14.320	11
	8C	11.500	10	.010	1	11.510	11
	8E	13.110	7	.010	2	13.120	9
	8G	5.230	8	.110	2	5.340	10
	8I	4.200	6	.010	1	4.210	7
Mean		9.34080	7.44	.11120	1.76	9.45200	9.20

Hondo-Slave Lake Stand 5 1982 Bryoid Comm. Monthly Survey 04/15/83 PAGE 5
Descriptive Statistics for Each Species Variable and the Stand
FILE SS82BS5 (CREATION DATE = 04/15/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover % Data (5x5 m)
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Brachythecium salebrosum	BRASAL	25	100.000	3.28000	2.05162	0.41032	0.12510	1.00000	10.00000
Dicranum polysetum	DICPOL	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	76.000	0.12280	0.26799	0.05360	0.43647	0.0	1.00000
Eurhynchium pulchellum	EURPUL	25	96.000	1.32880	0.93268	0.18654	0.14038	0.0	3.00000
Hepatic sp	HEPSP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	100.000	0.86120	0.66171	0.13234	0.15367	0.01000	1.00000
Orthodicranum flagellare	ORTFLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plagiomnium cuspidatum	PLACUS	25	88.000	1.22000	1.27214	0.25443	0.20855	0.0	5.00000
Pleurozium schreberi	PLESCH	25	80.000	2.17600	4.91454	0.98291	0.45170	0.0	25.00000
Ptilium crista-castrensis	PTICRI	25	76.000	0.28160	0.50489	0.10098	0.35859	0.0	2.00000
Ptilidium pulcherrimum	PTIPUL	25	24.000	0.00600	0.02000	0.00400	0.66667	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	64.000	0.04240	0.04815	0.00963	0.22715	0.0	0.10000
Rhytidiadelphus triquetrus	RHYTRI	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Thuidium recognitum	THUREC	25	20.000	0.01280	0.03288	0.00658	0.51531	0.0	0.10000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	36.000	0.01080	0.02722	0.00544	0.50410	0.0	0.10000
Cladonia coniocraea	CLACON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia multiformis	CLAMUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera aphthosa	PELAPH	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Peltigera rufescens	PELRUF	25	88.000	0.08800	0.16551	0.03310	0.44435	0.0	1.00000
Peltigera horizontalis	PELHOR	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Icmadophila ericetorum	ICMERI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina rangiferina	CLARAN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Dicranum scoparium	DICSCO	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 22 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2193
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.7319 NATURAL LOGARITHMS

22 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 9.45200



Monce-Slave Lake Stand 5 1982 Bryoid Comm Monthly Survey 06 16 83 PAGE 8
Statistics for Synthetic Cover and Species Richness Variables
FILE S582825 (CREATION DATE = 04/16/83) Stand 5 (73 y old Mixed Wood) 1982 Bryoid Cover % Data (5x5 m
SUBFILE AU14

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100 000	8 34080	5 62852	1 12570	0 12051	3 30000	29 10999
Mean Bryophyte Species Richness	BRYOPHRP	25	100 000	7 44000	1 41657	0 28331	0 03808	5 00000	10 00000
Mean Lichen Cover	LICHENCV	25	96 000	0 11120	0 18873	0 03875	0 35743	0 0	1 01000
Mean Lichen Species Richness	LICHENRP	25	96 000	1 76000	0 87939	0 17588	0 09993	0 0	4 00000
Mean Cover of All Species	TOTALCV	25	100 000	8 45200	5 64474	1 12895	0 11944	3 32000	29 13998
Mean Richness of All Species	TOTALRP	25	100 000	9 20000	1 70783	0 34157	0 03712	6 00000	12 00000

SEADYN Project Mongo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	AMBJUP	AULPAL	BRASAL	BRYFLS	DICPOL	DREUNC	EURPUL	HYLSPL	PLACUS	PLESCH	PTICR	PTIPUL	RYLPOL	THURES	CETRIN	CLACAP
MAG1	[illegible]																
Mean		[illegible]															
JN2	[illegible]																
Mean		[illegible]															
JL2	[illegible]																
Mean		[illegible]															
AU24	[illegible]																

SEADYN Project, Mondo-Slave Lake Stand 6
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	AMBJUR	AULPAL	BRASAL	ORTFLA	DICPOL	DREUNC	EURPUL	HYLSPL	PLACUS	PLESCH	PTICC	PTIPUL	PYLPOL	THUREC	CETPIN	CLACAP
	9H	0.0	0.0	30.000	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0
	9J	0.0	0.0	7.000	0.0	0.0	1.000	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.04040	0	2.4848	.08000	0	.41640	1.2120	15.288	1.7764	11.760	3.0884	.00480	.00400	.00400	0	0
OC09																	
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.000	1.000	25.000	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.000	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	.100	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	.010	1.000	15.000	.100	2.000	2.000	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.000	0.0	40.000	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	1.000	0.0	0.0	1.000	.100	55.000	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	4.000	0.0	0.0	0.0	0.0	10.000	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	5.000	0.0	0.0	0.0	0.0	20.000	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	20.000	0.0	0.0	0.0	5.000	0.0	1.000	0.0	40.000	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	1.000	0.0	0.0	5.000	0.0	50.000	.010	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	2.000	0.0	0.0	0.0	3.000	0.0	20.000	1.000	1.000	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	70.000	2.000	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	2.000	60.000	10.000	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	1.000	0.0	0.0	0.0	0.0	25.000	2.000	50.000	0.0	0.0	0.0	2.000	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	1.000	0.0	0.0	1.000	0.0	7.000	0.0	55.000	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	.100	1.000	0.0	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	1.000	0.0	0.0	0.0	1.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	7.000	0.0	0.0	0.0	2.000	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	5.000	0.0	0.0	3.000	1.000	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.08000	0	2.1760	.04040	0	.40040	1.3240	15.384	1.4084	12.824	2.2000	0	0	.08000	0	0

```
TRANSPACE REQUIRED          600 BYTES
     6 TRANSFORMATIONS
     6 RECODE VALUES + LAG VARIABLES
    36 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED       0.32 SECONDS

               41 REPORT          FORMAT = NOSPACE, BRKSPACE 0, FTSPACE 0, LIST /
               42                 VARIABLES = PLOTNO 'Plot' (4) CLACHL TO CLACOR (6) /
               43                 HEAD = 'SEADYN Project, Mondo-Slave Lake Stand 6'
               44                 'Monthly Survey of Bryophyte and Lichen Community'
               45                 'Species Cover % Values by 7x 7 m Plots' /
               46                 BREAK = SUBFILE 'Date' (4)
               47                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2226 BYTES FOR THIS TASK
```

SEADYN Project Hondo-Slave Lake Stand 6
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7m 7 m Plots

Date	Plot	CLACHL	CLACON	CLACRA	LEPSAT	PELAPH	PELCAN	PELMOR	PELPCL	PELPUL	PELRUF	CLAMIT	CLACOR
MA28	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	1.00	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0080	0.0080	0	0	0	0	0	0.0040	0.0400	0.0400	0	0
JN27	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0120	0.0040	0	0	0	0	0	0	0	0.0800	0	0
JL27	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0.0560	0.0080	0	0	0	0	0	0	0	0.4000	0	0
AU24	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	3B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 6
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACHL	CLACON	CLAGRA	LEPSAT	PELAPH	PELCAN	PELMOR	PELPOL	PELPUL	PELRUF	CLAMIT	CLACOR
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00200	00040	0	0	0	0	00040	0	0	00400	0	0
OCC8													
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	100	0 0	0 0
	5F	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00920	00440	0	0	0	0	0	0	00400	01200	0	0

SEADYN Project Nemde-Slave Lake Stand [illegible]
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by [illegible] Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MAY[illegible]							
	[illegible]	45.000	3	0.0	0	45.000	3
	[illegible]	90.000	2	0.0	0	90.000	2
	[illegible]	.020	2	0.0	0	.020	2
	[illegible]	.110	2	0.0	0	.110	2
	[illegible]	.200	2	0.0	0	.200	2
	3[illegible]	[illegible].000	[illegible]	0.0	0	[illegible].000	[illegible]
	3[illegible]	33.000	5	0.0	0	33.000	5
	3[illegible]	80.000	2	0.0	0	80.000	2
	3[illegible]	43.220	6	.120	2	43.340	[illegible]
	38	8.200	5	0.0	0	8.200	5
	58	29.100	4	0.0	0	39.100	4
	5[illegible]	27.000	4	0.0	0	27.000	4
	5[illegible]	73.300	5	.010	[illegible]	73.310	5
	5[illegible]	21.200	[illegible]	0.0	0	21.200	[illegible]
	5[illegible]	[illegible].100	4	0.0	0	[illegible].100	4
	[illegible]	2.010	2	0.0	0	2.010	2
	[illegible]	88.000	4	0.0	0	88.000	4
	[illegible]	67.[illegible]	[illegible]	.100	[illegible]	67.210	[illegible]
	[illegible]	.100	[illegible]	0.0	0	.100	[illegible]
	78	88.010	3	0.0	0	88.010	3
	98	2.100	2	0.0	0	2.100	2
	9[illegible]	22.210	5	0.0	0	22.210	5
	9[illegible]	4.010	2	.010	[illegible]	4.020	4
	9[illegible]	5.200	4	.010	[illegible]	5.210	5
	9[illegible]	10.100	4	0.0	0	10.100	4
Mean		30.21200	2.88	.01000	.28	30.22200	2.98
[illegible]							
	[illegible]	55.210	1	0.0	0	55.210	1
	[illegible]	90.000	2	0.0	0	90.000	2
	[illegible]	.010	[illegible]	0.0	0	.010	[illegible]
	[illegible]	.000	[illegible]	0.0	0	.000	[illegible]
	[illegible]	[illegible]	2	.010	[illegible]	.120	2
	3[illegible]	.000	[illegible]	0.0	0	[illegible].000	[illegible]
	3[illegible]	[illegible].200	[illegible]	0.0	0	[illegible].200	[illegible]
	3[illegible]	8[illegible].000	6	0.0	0	8[illegible].000	4
	3[illegible]	8[illegible].020	2	.110	[illegible]	87.130	3
	38	8.200	5	0.0	0	8.200	[illegible]
	58	24.100	4	0.0	0	24.100	4
	5[illegible]	4.000	4	0.0	0	[illegible].000	4
	5[illegible]	60.200	4	.010	[illegible]	60.210	4
	5[illegible]	22.300	[illegible]	0.0	0	22.300	[illegible]
	5[illegible]	55.000	[illegible]	0.0	0	55.000	[illegible]
	[illegible]	3.000	[illegible]	0.0	0	3.000	[illegible]
	[illegible]	[illegible].000	[illegible]	0.0	0	[illegible].000	[illegible]
	[illegible]	70.000	6	.100	[illegible]	70.100	6
	[illegible]	.110	[illegible]	0.0	0	.110	[illegible]
	[illegible]	60.100	3	0.0	0	60.100	3
	98	[illegible].110	3	0.0	0	[illegible].110	3
	9[illegible]	23.000	3	0.0	0	23.000	3
	9[illegible]	3.100	3	.010	[illegible]	3.110	[illegible]
	9[illegible]	[illegible].100	4	.010	[illegible]	[illegible].110	4
	9[illegible]	10.000	3	0.0	0	10.000	3
Mean		2[illegible].95410	3.56	.01000	.28	2[illegible].96471	3.8[illegible]
[illegible]							
	[illegible]	54.000	4	0.0	0	54.000	4
	[illegible]	80.000	2	0.0	0	80.000	2
	[illegible]	.010	[illegible]	0.0	0	.010	[illegible]
	[illegible]	.200	2	0.0	0	.200	2
	[illegible]	.110	2	.010	[illegible]	.120	2
	3[illegible]	2.000	[illegible]	0.0	0	2.000	[illegible]
	3[illegible]	2[illegible].100	6	0.0	0	2[illegible].100	6
	3[illegible]	75.000	2	0.0	0	75.000	2
	3[illegible]	[illegible].000	4	.010	[illegible]	[illegible].010	6
	38	9.000	2	0.0	0	9.000	2
	58	30.000	3	.010	[illegible]	30.010	4
	5[illegible]	27.000	5	0.0	0	27.000	5
	5[illegible]	73.010	[illegible]	.010	[illegible]	73.020	[illegible]
	5[illegible]	35.100	8	0.0	0	35.100	8
	5[illegible]	70.100	4	0.0	0	70.100	4
	[illegible]	3.000	[illegible]	0.0	0	3.000	[illegible]
	[illegible]	67.000	4	0.0	0	67.000	4
	[illegible]	83.000	6	0.0	0	83.000	6
	[illegible]	.020	[illegible]	0.0	0	.020	[illegible]
	78	88.000	[illegible]	0.0	0	88.000	[illegible]
	98	3.000	[illegible]	0.0	0	3.000	[illegible]
	9[illegible]	57.100	[illegible]	.010	[illegible]	57.110	[illegible]
	9[illegible]	5.000	[illegible]	.100	[illegible]	5.100	[illegible]
	9[illegible]	21.110	[illegible]	.010	[illegible]	21.120	[illegible]
	9[illegible]	10.000	3	0.0	0	10.000	[illegible]
Mean		35.27440	3.36	.04840	.32	35.32080	3.88
AU[illegible]							
	[illegible]	8[illegible].200	5	0.0	0	8[illegible].200	5
	[illegible]	86.000	2	0.0	0	86.000	2
	[illegible]	.020	[illegible]	0.0	0	.020	[illegible]
	[illegible]	.100	[illegible]	0.0	0	.100	[illegible]
	[illegible]	.020	2	.010	[illegible]	.030	[illegible]
	3[illegible]	.000	[illegible]	0.0	0	.000	[illegible]
	3[illegible]	[illegible]9.200	[illegible]	.010	[illegible]	[illegible]9.210	[illegible]
	3[illegible]	85.100	3	0.0	0	85.100	4
	3[illegible]	78.100	4	.110	[illegible]	78.210	[illegible]
	38	[illegible].000	3	0.0	0	[illegible].000	6
	58	[illegible]6.000	3	0.0	0	[illegible]6.000	[illegible]
	5[illegible]	52.100	5	.010	[illegible]	52.110	3
	5[illegible]	8[illegible].000	5	.010	[illegible]	8[illegible].010	6
	5[illegible]	22.210	[illegible]	0.0	0	22.210	[illegible]
	5[illegible]	85.000	3	0.0	0	85.000	[illegible]
	[illegible]	3.000	[illegible]	0.0	0	3.000	[illegible]
	[illegible]	[illegible]3.000	[illegible]	0.0	0	[illegible]3.000	[illegible]
	[illegible]	84.200	6	0.0	0	84.200	[illegible]
	[illegible]	.110	[illegible]	0.0	0	.110	[illegible]
	78	8[illegible].010	[illegible]	0.0	0	8[illegible].010	[illegible]
	98	3.100	[illegible]	0.0	0	3.100	[illegible]
	9[illegible]	29.120	6	.010	[illegible]	29.130	[illegible]
	9[illegible]	.300	[illegible]	.010	[illegible]	.310	5

SEADYN Project, Mongo-Slave Lake Stand E
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x7 m Plots

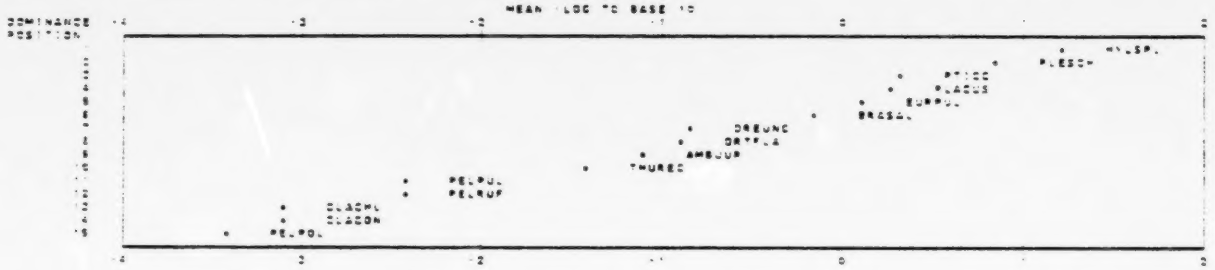
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	23 100	3	0 0	0	23 100	3
	9L	11 000	3	0 0	0	11 000	3
Mean		37 15980	2 80	00680	32	37 16639	3 12
DC78							
	1B	75 000	2	0 0	0	75 000	3
	1D	90 000	2	0 0	0	90 000	2
	1F	100	1	010	1	110	2
	1H	1 000	1	0 0	0	1 000	1
	1L	110	2	0 0	0	110	2
	3J	2 000	1	0 0	0	2 000	1
	3H	20 110	6	010	1	20 120	7
	3F	90 000	2	0 0	0	90 000	2
	3D	70 100	5	200	2	70 300	7
	3B	19 000	3	0 0	0	19 000	3
	5B	30 000	3	0 0	0	30 000	3
	5D	66 000	4	200	2	66 200	6
	5F	55 110	5	010	1	55 120	6
	5H	27 000	5	0 0	0	27 000	5
	5L	78 000	3	0 0	0	78 000	3
	7L	5 000	1	0 0	0	5 000	1
	7H	77 000	4	0 0	0	77 000	4
	7F	80 000	5	100	1	80 100	6
	7D	100	1	0 0	0	100	1
	7B	64 000	4	0 0	0	64 000	4
	9B	1 100	2	0 0	0	1 100	2
	9D	21 100	3	100	1	21 200	4
	9F	2 100	3	100	1	2 200	4
	9H	12 000	3	0 0	0	12 000	3
	9L	12 000	4	010	1	12 010	5
Mean		35 98720	3 04	02960	44	36 02680	3 48

Hongo-Slave Lake Stand 5 1982 Bryoid Comm Monthly Survey 04/15/83 PAGE 6
Descriptive Statistics for Each Species Variable and the Stand
FILE S6628 5 (CREATION DATE = 04/18/83) Stand 5 (126 y old Mixed Wood) 1982 Bryoid Cover Data 7x 7 m)
SUBFILE MAC2

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium salebrosum	BRASAL	25	76.000	0.71800	2.04331	0.40866	0.56917	0.0	10.00000
Orthodicranum flagellare	ORTFLA	25	12.000	0.12400	0.43901	0.08780	0.70809	0.0	2.00000
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drepanocladus uncinatus	DREUNC	25	32.000	0.14400	0.43501	0.08700	0.60418	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	44.000	1.21240	3.99626	0.79925	0.65922	0.0	20.00000
Hylocomium splendens	HYLSPL	25	64.000	17.20000	24.78220	4.95644	0.28793	0.0	85.00000
Plagiomnium cuspidatum	PLACUS	25	44.000	1.78440	4.99262	0.99848	0.55957	0.0	25.00000
Pleurozium schreberi	PLESCH	25	48.000	6.95440	14.13247	2.82645	0.40645	0.0	55.00000
Ptilium crista-castrensis	PTICC	25	40.000	1.85480	5.47812	1.09562	0.59073	0.0	20.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia coniocraea	CLACON	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptogium saturninum	LEPSAT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera pulverulenta	PELPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina mitis	CLAMIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3869
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.2980 NATURAL LOGARITHMS

15 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 30.2220

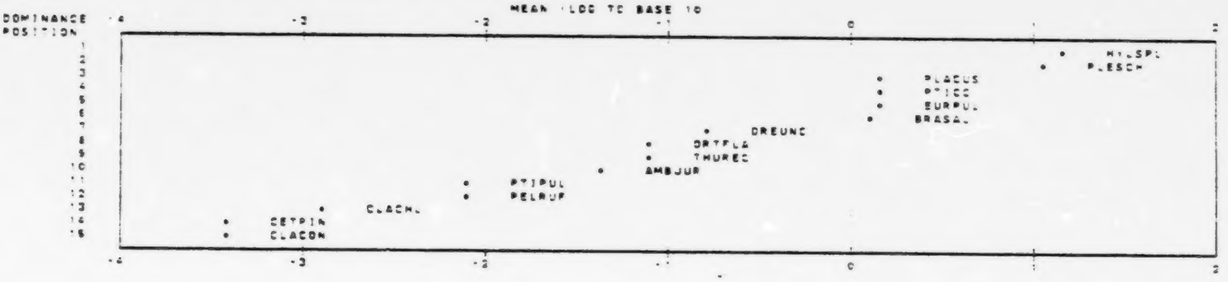


Hondo-Slave Lake Stand E 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S6828 5 (CREATION DATE = 04/16/83) Stand E (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE JN2)

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium salebrosum	BRASAL	25	76.000	1.21720	1.79119	0.35824	0.29431	0.0	7.00000
Orthodicranum flagellare	ORTFLA	25	8.000	0.08040	0.39992	0.07998	0.99483	0.0	2.00000
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drepanocladus uncinatus	DREUNC	25	20.000	0.16800	0.47057	0.09411	0.56020	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	36.000	1.38040	3.99861	0.79972	0.57935	0.0	20.00000
Hylocomium splendens	HYLSPL	25	72.000	14.32840	22.79386	4.55877	0.31816	0.0	80.00000
Plagiomnium cuspidatum	PLACUS	25	40.000	1.52800	4.99854	0.99971	0.65426	0.0	25.00000
Pleurozium schreberi	PLESCH	25	48.000	11.76800	20.65780	4.13156	0.35108	0.0	80.00000
Ptilium crista-castrensis	PTICC	25	36.000	1.37240	3.02037	0.60407	0.44016	0.0	10.00000
Ptilidium pulcherrimum	PTIPUL	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Cetraria pinastri	CETPIN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptogium saturninum	LEPSAT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Cladina mitis	CLAMIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 15 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3429
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.3384 (NATURAL LOGARITHMS)

15 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 31.5648

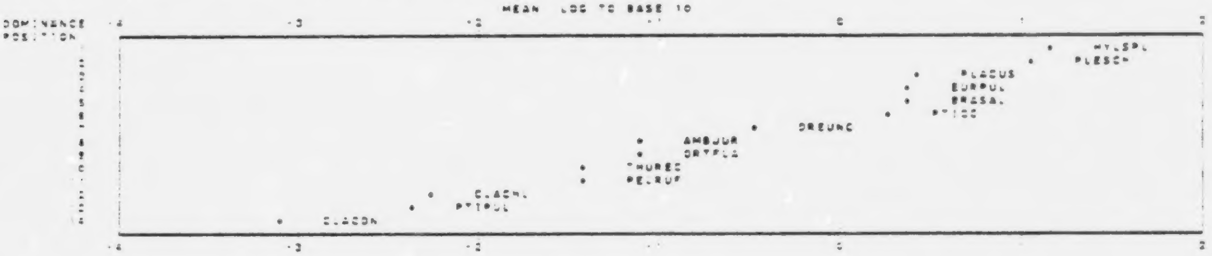


Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 8
Descriptive Statistics for Each Species Variable and the Stand
FILE S6828 5 (CREATION DATE = 04/18/83) Stand 6 (128 y old Mixed wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE JL27

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	4 000	0 08000	0 40000	0 08000	1 00000	0 0	2 00000
Aulacomnium palustre	AULPAL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Brachythecium salebrosum	BRASAL	25	72 000	2 33280	5 18805	1 03761	0 44479	0 0	25 00000
Orthodicranum flagellare	ORTFLA	25	4 000	0 08000	0 40000	0 08000	1 00000	0 0	2 00000
Dicranum polysetum	DICPOL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Drepanocladus uncinatus	DREUNC	25	16 000	0 32000	0 80208	0 16042	0 50130	0 0	3 00000
Eurhynchium pulchellum	EURPUL	25	28 000	2 48040	9 96283	1 99257	0 80332	0 0	50 00000
Hylocomium splendens	HYLSPL	25	68 000	14 32440	21 93580	4 38718	0 30627	0 0	85 00000
Plagiomnium cuspidatum	PLACUS	25	58 000	2 48200	6 08543	1 21709	0 48880	0 0	30 00000
Pleurozium schreberi	PLESCH	25	44 000	11 24000	19 66443	3 93288	0 34990	0 0	65 00000
Ptilium crista-castrensis	PTICRI	25	32 000	1 88040	5 49470	1 09894	0 58442	0 0	20 00000
Ptilidium pulcherrimum	PTIPUL	25	8 000	0 00440	0 02002	0 00400	0 90985	0 0	0 10000
Pylaisiella polyantha	PYLPOL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Thuidium recognitum	THUREC	25	4 000	0 04000	0 20000	0 04000	1 00000	0 0	1 00000
Cetraria pinastri	CETPIN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia capitata	CLACAP	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia chlorophaea	CLACHL	25	20 000	0 00560	0 02002	0 00400	0 71488	0 0	0 10000
Cladonia coniocraea	CLACON	25	8 000	0 00080	0 00277	0 00055	0 69222	0 0	0 01000
Cladonia gracilis	CLAGRA	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Leptodium saturninum	LEPSAT	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera aphthosa	PELAPH	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera canina	PELCAN	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera horizontalis	PELHOR	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera polydactyla	PELPOL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera pulverulenta	PELPUL	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Peltigera rufescens	PELRUF	25	4 000	0 04000	0 20000	0 04000	1 00000	0 0	1 00000
Cladina mitis	CLAMIT	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Cladonia cornuta	CLACOR	25	0 0	0 0	0 0	0 0	0 0	0 0	0 0

BASED ON 14 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0 2829
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1 5275 (NATURAL LOGARITHMS)

14 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 35 3208

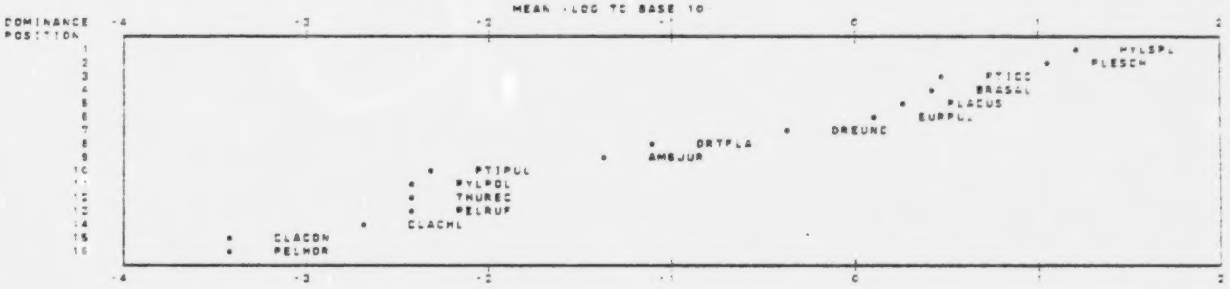


Mondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE S6628.5 (CREATION DATE = 04/16/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE AU24

LABEL	VARIABLE	N	FREC %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	4.000	0.04040	0.19983	0.03999	0.98974	0.0	1.00000
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium salebrosum	BRASAL	25	72.000	2.48480	4.32846	0.86569	0.34840	0.0	20.00000
Orthodicranum flagellare	ORTFLA	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drepanocladus uncinatus	DREUNC	25	32.000	0.41640	1.60345	0.32069	0.77015	0.0	8.00000
Eurhynchium pulchellum	EURPUL	25	24.000	1.21200	5.00544	1.00109	0.82596	0.0	25.00000
Hylocomium splendens	HYLSPL	25	68.000	16.28600	26.87668	5.37534	0.33002	0.0	85.00000
Plagiomnium cuspidatum	PLACUS	25	52.000	1.77640	5.95522	1.19104	0.67048	0.0	30.00000
Pleurozium schreberi	PLESCH	25	48.000	11.78040	21.83662	4.36738	0.37138	0.0	70.00000
Ptilium crista-castrensis	PTICC	25	32.000	3.08840	9.76508	1.95302	0.63237	0.0	40.00000
Ptilidium pulcherrimum	PTIPUL	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Thuidium recognitum	THUREC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptogium saturninum	LEPSAT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina mitis	CLAMIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 16 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3070
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 1.4460 (NATURAL LOGARITHMS)

16 OF THE 28 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 37.1664

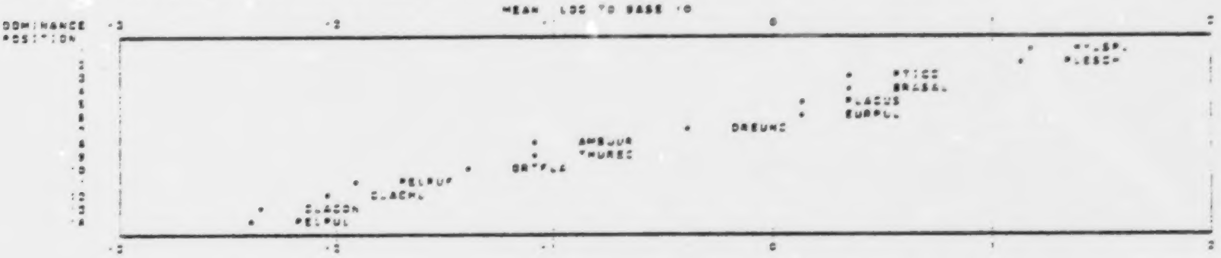


Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE 35626 S (CREATION DATE = 04/16/83) Stand 6 (126 y old mixed wood) 1982 Bryoid Cover Data (% ...)
SUBFILE 0C06

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium salebrosum	BRASAL	25	68.000	3.17600	4.24100	0.84820	0.26580	0.0	20.00000
Orthodicranum flagellare	ORTFLA	25	8.000	0.04040	0.19993	0.03999	0.98974	0.0	[illegible]
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drepanocladus uncinatus	DREUNC	25	20.000	0.40040	1.15458	0.23091	0.57670	0.0	5.00000
Eurhynchium pulchellum	EURPUL	25	32.000	1.22400	4.06810	0.81362	0.61452	0.0	20.00000
Hylocomium splendens	HYLSPL	25	60.000	15.38400	22.20802	4.44160	0.28871	0.0	75.00000
Plagiomnium cuspidatum	PLACUS	25	64.000	1.40840	4.05910	0.81182	0.57641	0.0	20.00000
Pleurozium schreberi	PLESCH	25	44.000	12.52400	22.66538	4.53308	0.35075	0.0	70.00000
Ptilium crista-castrensis	PTICRI	25	20.000	2.20000	8.13437	1.62686	0.73948	0.0	40.00000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pylaisiella polyantha	PYLPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thuidium recognitum	THUREC	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	20.000	0.00920	0.02753	0.00551	0.59839	0.0	0.10000
Cladonia coniocraea	CLACON	25	4.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptogium saturninum	LEPSAT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Peltigera rufescens	PELRUF	25	12.000	0.01200	0.03317	0.00663	0.55277	0.0	0.10000
Cladina mitis	CLAMIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 14 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3209
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.6113 NATURAL LOGARITHMS

14 OF THE 26 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 36.0268



Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 12
Statistics for Synthetic Cover and Species Richness Variables
FILE S6828 S (CREATION DATE = 04/16/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE MA08

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	30.21200	29.36084	5.87217	0.19437	0.02000	90.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.68000	1.81934	0.36387	0.09888	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	20.000	0.01000	0.03041	0.00608	0.60822	0.0	0.12000
Mean Lichen Species Richness	LICHENRP	25	20.000	0.28000	0.67823	0.13565	0.48445	0.0	3.00000
Mean Cover of All Species	TOTALCV	25	100.000	30.22200	29.36819	5.87364	0.19435	0.02000	90.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.96000	2.18881	0.43772	0.11054	1.00000	8.00000

Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S6828 S (CREATION DATE = 04/16/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE [illegible]N21

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	31.95480	32.30609	6.46122	0.20220	0.01000	90.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.56000	1.82757	0.36551	0.10267	1.00000	8.00000
Mean Lichen Cover	LICHENCV	25	24.000	0.01000	0.02887	0.00577	0.57735	0.0	0.11000
Mean Lichen Species Richness	LICHENRP	25	24.000	0.28000	0.54160	0.10832	0.38686	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	31.96470	32.31529	6.46306	0.20219	0.01000	90.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.84000	2.03470	0.40694	0.10597	1.00000	8.00000

Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S6828 S (CREATION DATE = 04/16/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE [illegible]27

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	35.27440	31.23686	6.24737	0.17711	0.01000	83.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.36000	1.72916	0.34583	0.10293	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	28.000	0.04640	0.20174	0.04035	0.86957	0.0	1.01000
Mean Lichen Species Richness	LICHENRP	25	28.000	0.32000	0.55678	0.11136	0.34799	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	35.32080	31.28171	6.25634	0.17713	0.01000	83.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.68000	1.90875	0.38175	0.10374	1.00000	8.00000

Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S6828 S (CREATION DATE = 04/16/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE AU24

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	27.15960	35.12827	7.02567	0.18905	0.02000	86.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.60000	1.68325	0.33665	0.09351	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	28.000	0.00680	0.02192	0.00439	0.64506	0.0	0.11000
Mean Lichen Species Richness	LICHENRP	25	28.000	0.32000	0.55678	0.11130	0.34735	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	27.16638	35.13024	7.02605	0.18904	0.02000	86.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.92000	1.95619	0.39124	0.09981	1.00000	8.00000

Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S6828 S (CREATION DATE = 04/16/83) Stand 6 (123 y old Mixed Wood) 1982 Bryoid Cover Data (7x 7 m)
SUBFILE 3C08

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	35.98720	33.95564	6.79113	0.18865	0.10000	90.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.04000	1.48548	0.29710	0.09773	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	36.000	0.02960	0.06072	0.01214	0.41029	0.0	0.20000
Mean Lichen Species Richness	LICHENRP	25	36.000	0.44000	0.65064	0.13013	0.29575	0.0	2.00000
Mean Cover of All Species	TOTALCV	25	100.000	36.02680	33.97015	6.79403	0.18858	0.10000	90.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.48000	1.89081	0.37812	0.10894	1.00000	7.00000

SEADYN Project Mongo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	AMBJUR	AULPAL	BRASAL	BRTFLA	DICPOL	DREUNC	EURPUL	HYLSPL	PLACUS	PLESCH	PTICIL	PTIPUL	PYLPOL	THUREC	CETRIN	CLACAR
AU14																	
	0A	0.0	0.0	1.000	0.0	.100	0.0	.010	.100	0.0	2.000	.100	0.0	0.0	0.0	0.0	0.0
	0C	0.0	0.0	1.000	0.0	0.0	2.000	.100	4.000	.100	5.000	2.000	.010	0.0	0.0	0.0	0.0
	0E	0.0	0.0	2.000	0.0	.100	0.0	2.000	10.000	.100	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	0G	0.0	0.0	.100	0.0	0.0	0.0	1.000	2.000	1.000	2.000	0.0	0.0	0.0	0.0	.010	0.0
	0I	0.0	0.0	2.000	0.0	0.0	0.0	1.000	10.000	0.0	1.000	0.0	.010	0.0	0.0	.010	0.0
	2I	0.0	0.0	5.000	0.0	0.0	.100	2.000	3.000	2.000	2.000	.010	0.0	.100	0.0	0.0	0.0
	2G	0.0	0.0	1.000	.010	0.0	0.0	3.000	2.000	2.000	1.000	3.000	.010	0.0	0.0	.010	0.0
	2E	0.0	0.0	.100	.010	0.0	0.0	.100	10.000	3.000	15.000	25.000	0.0	.100	0.0	0.0	0.0
	2C	0.0	0.0	2.000	.010	0.0	0.0	2.000	25.000	3.000	20.000	5.000	0.0	0.0	1.000	0.0	0.0
	2A	0.0	0.0	1.000	0.0	0.0	0.0	2.000	3.000	.100	2.000	0.0	0.0	0.0	0.0	0.0	0.0
	4A	0.0	0.0	1.000	0.0	0.0	.010	.100	30.000	1.000	10.000	15.000	0.0	0.0	0.0	0.0	0.0
	4C	0.0	0.0	2.000	.010	0.0	1.000	.100	10.000	2.000	3.000	.100	0.0	.010	0.0	0.0	0.0
	4E	0.0	0.0	4.000	.010	0.0	1.000	2.000	20.000	1.000	15.000	1.000	0.0	0.0	0.0	0.0	0.0
	4G	0.0	0.0	2.000	.010	0.0	.010	1.000	2.000	2.000	15.000	20.000	0.0	0.0	0.0	0.0	0.0
	4I	0.0	0.0	1.000	0.0	0.0	.100	1.000	3.000	2.000	40.000	5.000	0.0	0.0	0.0	0.0	0.0
	6I	.010	0.0	3.000	0.0	0.0	0.0	2.000	0.0	5.000	.100	.010	0.0	0.0	0.0	0.0	0.0
	6G	0.0	0.0	.100	0.0	0.0	.100	.100	7.000	2.000	3.000	0.0	.100	0.0	0.0	.010	0.0
	6E	0.0	0.0	2.000	0.0	0.0	.010	1.000	15.000	1.000	30.000	20.000	0.0	0.0	0.0	0.0	0.0
	6C	0.0	0.0	2.000	0.0	0.0	0.0	3.000	5.000	3.000	4.000	4.000	.100	.100	0.0	0.0	0.0
	6A	0.0	0.0	1.000	0.0	0.0	.100	1.000	2.000	4.000	5.000	1.000	0.0	0.0	.010	0.0	0.0
	8A	.010	0.0	3.000	0.0	0.0	0.0	2.000	30.000	2.000	30.000	5.000	0.0	0.0	0.0	0.0	0.0
	8C	0.0	0.0	1.000	0.0	0.0	0.0	.100	5.000	2.000	20.000	30.000	0.0	0.0	0.0	0.0	0.0
	8E	0.0	0.0	1.000	.010	0.0	0.0	0.0	25.000	1.000	30.000	20.000	.100	0.0	0.0	.010	0.0
	8G	0.0	0.0	.100	0.0	0.0	0.0	.010	2.000	10.000	40.000	5.000	0.0	0.0	0.0	0.0	0.0
	8I	0.0	0.0	1.000	0.0	0.0	.010	.100	20.000	2.000	10.000	15.000	0.0	0.0	0.0	0.0	0.0
Mean		.00080	0	1.5560	.00280	.00800	.17760	1.1088	[illegible].4440	2.0820	12.384	7.0488	.01320	.01240	.04040	.00200	0

```
TRANSPACE REQUIRED          500 BYTES
     8 TRANSFORMATIONS
     8 RECODE VALUES + LAG VARIABLES
    38 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED       0.15 SECONDS


                41 REPORT          FORMAT = NOSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
                42                 VARIABLES = PLOTNO 'Plot' (4) CLACHL TO CLACOR (6)
                43                 HEAD = 'SEADYN Project  Mongo-Slave Lake  Stand 8'
                44                 'Monthly Survey of Bryophyte and Lichen Community'
                45                 'Species Cover % Values by 5x5 m Plots'
                46                 BREAK = SUBTLE 'Date' (4)
                47                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2028 BYTES FOR THIS TASK
```

SEADYN Project, Monge-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACHL	CLACON	CLAGRA	LEPSAT	PELAPH	PELCAN	PELMOR	PELPOL	PELPUL	PELRUF	CLAMIT	CLACOR
AU14													
	0A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0C	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	0G	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0I	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	010
	2I	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0	0 0
	2G	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	2E	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	2C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	100	0 0	0 0
	2A	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	4A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	4C	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	4E	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	4G	010	0 0	010	0 0	0 0	0 0	0 0	100	0 0	010	0 0	0 0
	4I	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	6I	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	6G	010	0 0	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0
	6E	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	6C	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	6A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8A	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8C	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8E	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0
	8G	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8I	010	0 0	010	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
Mean		00880	00160	00120	0	0	0	08000	00520	0	09840	00040	00080

SEADYN Project Mongo-Slove Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

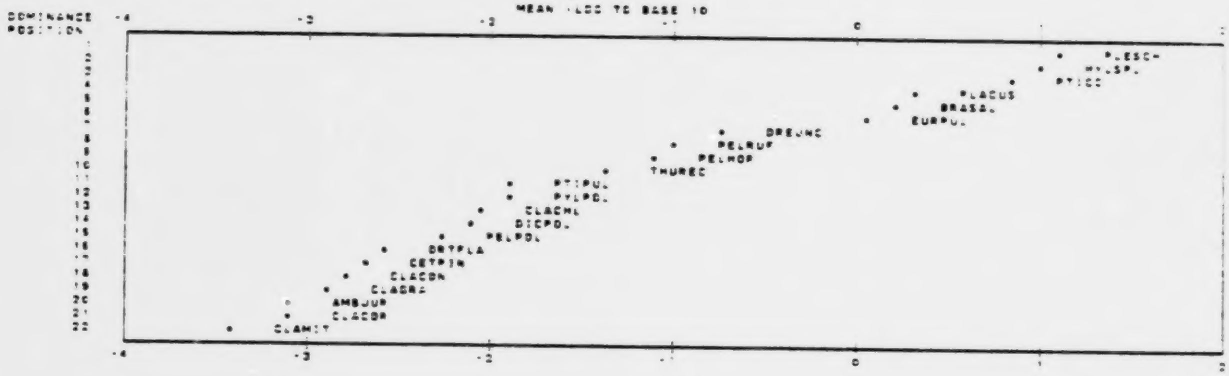
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU14							
	0A	3 310	8	0 0	0	3 310	8
	0C	14 210	8	020	2	14 230	10
	0E	18 200	6	110	2	19 310	8
	0G	5 100	5	020	2	5 120	7
	0I	14 010	5	040	4	14 050	9
	2I	16 210	3	2 000	1	18 210	9
	2G	12 020	8	110	3	12 130	10
	2E	52 310	5	010	1	52 320	9
	2C	56 010	6	110	3	56 120	10
	2A	9 100	5	020	3	9 120	7
	4A	57 110	7	010	1	57 120	8
	4C	18 220	8	020	2	18 240	11
	4E	64 010	8	110	2	64 120	10
	4G	42 020	6	130	4	42 150	12
	4I	52 100	7	020	3	52 120	9
	6I	10 120	8	010	1	10 130	7
	6G	12 400	7	2 020	3	14 420	10
	6E	69 010	7	030	2	69 030	9
	6C	22 200	8	020	2	22 220	10
	6A	16 110	8	0 0	0	16 110	8
	8A	62 010	7	0 0	0	62 010	7
	8C	56 100	8	0 0	0	56 100	6
	8E	77 110	7	130	4	77 240	7
	8G	58 110	8	0 0	0	58 110	8
	8I	49 110	7	030	3	49 140	0
Mean		33 98479	7 08	18840	1 76	34 18719	8 76

Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey, 04/18/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S682B26 (CREATION DATE = 04/18/83) Stand 6 (128 y old Mixed Wood) 1982 Bryoid Cover % Data (5x5 m
SUBFILE AU14

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium salebrosum	BRASAL	25	100.000	1.65600	1.25625	0.25325	0.15292	0.10000	5.00000
Orthodicranum flagellare	ORTFLA	25	28.000	0.00280	0.00458	0.00092	0.32723	0.0	0.01000
Dicranum polysetum	DICPOL	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Drepanocladus uncinatus	DREUNC	25	44.000	0.17760	0.46779	0.09356	0.52678	0.0	2.00000
Eurhynchium pulchellum	EURPUL	25	96.000	1.10880	1.04750	0.20950	0.18894	0.0	3.00000
Hylocomium splendens	HYLSPL	25	96.000	9.44400	8.92628	1.78526	0.18904	0.0	30.00000
Plagiomnium cuspidatum	PLACUS	25	92.000	2.09200	2.08781	0.41757	0.19960	0.0	10.00000
Pleurozium schreberi	PLESCH	25	100.000	12.38400	12.70055	2.54011	0.20546	0.10000	40.00000
Ptilium crista-castrensis	PTICC	25	80.000	7.04880	9.27335	1.85467	0.26312	0.0	30.00000
Ptilidium pulcherrimum	PTIPUL	25	24.000	0.01320	0.03288	0.00658	0.49816	0.0	0.10000
Pylaisiella polyantha	PYLPOL	25	16.000	0.01240	0.03306	0.00662	0.53348	0.0	0.10000
Thuidium recognitum	THUREC	25	8.000	0.04040	0.19982	0.03996	0.98914	0.0	1.00000
Cetraria pinastri	CETPIN	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cladonia capitata	CLACAP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	52.000	0.00880	0.01965	0.00393	0.44652	0.0	0.10000
Cladonia coniocraea	CLACON	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Cladonia gracilis	CLAGRA	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Leptogium saturninum	LEPSAT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera horizontalis	PELHOR	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Peltigera polydactyla	PELPOL	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Peltigera pulverulenta	PELPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera rufescens	PELRUF	25	44.000	0.09840	0.39782	0.07957	0.80861	0.0	2.00000
Cladina mitis	CLAMIT	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000

BASED ON 22 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.257[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H' = 1.5513 (NATURAL LOGARITHMS)

22 OF THE 28 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 34.1872



Ranger-Steve Lake Stand 6 1982 Bryoid Comm. Monthly Survey 04/15/83 PAGE 8
Statistics for Synthetic Cover and Species Richness Variables
FILE 3642825 (CREATION DATE = 04/15/83) Stand 6 (28 y old Mixed Wood) 1982 Bryoid Cover % Data 5x5 m
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	33.96871	23.52366	4.70473	0.13850	3.31000	77.10989
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	7.00000	1.11803	0.22361	0.03194	5.00000	9.00000
Mean Lichen Cover	LICHENCV	25	60.000	0.19840	0.54712	0.10942	0.55153	0.0	2.02000
Mean Lichen Species Richness	LICHENRP	25	60.000	1.76000	1.23423	0.24685	0.14025	0.0	4.00000
Mean Cover of All Species	TOTALCV	25	100.000	34.15719	23.39181	4.67836	0.13693	3.31000	77.33987
Mean Richness of All Species	TOTALRP	25	100.000	8.76000	1.19017	0.23803	0.03859	6.00000	12.00000

SEADYN Project Hondo-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 7x7 m Plots

Date	Plot	AMBJUR	AULPAL	BRASAL	BRAPSE	CEPLUN	CERPUR	DICPOL	DICUND	DREREV	HELBLA	HYLSPL	PLACUS	PLESCH	POLJUN
MA12															
	1B	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	20.000	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	15.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	5.000	0.0	4.000	0.0
	3H	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	75.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	2.000	0.0
	3B	0.0	5.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.000	0.0
	5B	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.000	0.0	5.000	0.0
	5D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	7H	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	11.444	.00400	.20400	0	0	.00400	.04400	.00400	.04000	1.4400	0	.72000	0
JN23															
	1B	0.0	2.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	15.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	7.000	0.0	4.000	0.0
	3H	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	80.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0
	3B	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	3.000	0.0
	5B	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.000	0.0	0.0	0.0
	5D	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	1.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	55.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	1.000	20.000	0.0	.010	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	9D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		.08000	11.560	0	.20840	0	0	0	.00400	.04000	.04000	1.7600	0	.32000	0
JL25															
	1B	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	1D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	2.000	1.000	0.0	0.0	0.0	0.0	0.0
	1F	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.000	0.0	5.000	0.0
	3H	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	65.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0
	3B	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	2.000	0.0	2.000	0.0
	5B	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.000	0.0	1.000	0.0
	5D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	6.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5H	0.0	1.000	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	5.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	9B	0.0	15.000	0.0	.010	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	9D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9H	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9J	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	11.640	0	.80520	0	0	0	.08000	.05200	.00400	1.5600	0	.52000	0
AU26															
	1B	0.0	5.000	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1H	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1J	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3J	0.0	25.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	5.000	0.0	3.000	0.0
	3H	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	80.000	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	3.000	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	7.000	0.0
	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	0.0	2.000	0.0
	5D	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	5H	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0
	5J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7H	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0
	9B	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9D	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Hondo-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x7 m Plots

Date	Plot	AMBJUR	AULPAL	BRASAL	BRAPSE	CEPLUN	CERPUR	DICPOL	DICUND	DREREY	HELBLA	HYLSPL	PLACUS	PLESCH	POLJUN
	[illegible]	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	10.440	0	.2440	0	0	.04000	.12040	.08080	.00040	2.8000	0	.48000	0
[illegible]															
	[illegible]	0.0	.100	0.0	3.000	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	5.000	0.0	0.0	0.0	0.0	0.0	1.000	1.000	0.0	.100	0.0	0.0	0.0
	[illegible]	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	5.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	5.000	0.0	3.000	0.0
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	20.000	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.100	0.0	10.000	0.0
	[illegible]	0.0	.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	4.000	0.0
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	0.0	5.000	0.0
	[illegible]	0.0	4.300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	15.000	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	[illegible]	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	[illegible]	0.0	.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	4.3240	0	.24040	0	0	.04000	.04400	.35800	0	2.8520	0	.88000	0

TRANSPACE REQUIRED 600 BYTES
5 TRANSFORMATIONS
4 RECODE VALUES + LAG VARIABLES
52 IF COMPUTE OPERATIONS

CPU TIME REQUIRED 0.33 SECONDS

```
43 REPORT      FORMAT = NOSPACE / BRKSPACE=0 / FTSPACE 0 / LIST
44             VARIABLES = PLOTNO Plot  4  AMBJUR TO POLJUN  8
45             HEAD = SEADYN Project  Hondo-Slave Lake  Stand 7
46             Monthly Survey of Bryophyte and Lichen Community
47             Species Cover % Values by 7x7 m Plots
48             BREAK = SUBFILE  Date  4
49             SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2608 BYTES FOR THIS TASK

SEADYN Project, Mengo-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 7x 7 m Plots

Date	Plot	PTICIL	PTIPUL	SPHANG	SPHFUS	SPHNEM	SPHRUS	SPHWAR	TOMNIT	CETPIN	CLACEN	CLACHL	CLACOC	CLACON	CLACOP	CLACRP
MA12																
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	60 000	010	0 0	1 000	0 0	0 0	0 0	0 0
	1D	0 0	0 0	100	1 000	5 000	0 0	1 000	30 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	5 000	16 000	10 000	0 0	7 000	15 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	5 030	0 0	0 0	15 000	100	1 000	010	0 0	0 0	100	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	010	100	1 000	0 0	0 0	2 000	0 0
	3H	0 0	0 0	0 0	5 000	15 000	0 0	0 0	1 000	0 0	0 0	100	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	1 000	30 000	0 0	0 0	5 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	0 0	010	100	0 0	0 0	0 0	0 0
	3B	010	0 0	0 0	0 0	0 0	0 0	100	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	1 000	0 0	0 0	1 000	0 0	0 0	8 000	0 0	1 000	100	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	100	0 0	2 000	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	100	0 0	0 0	0 0	0 0	010	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	25 000	010	0 0	010	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	4 000	65 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	100	0 0	100	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	40 000	5 000	0 0	1 000	15 000	100	100	100	0 0	0 0	1 000	0 0
	7F	0 0	0 0	5 000	0 0	0 0	0 0	100	15 000	2 000	0 0	100	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	010	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	25 000	100	0 0	010	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	25 000	2 000	5 000	0 0	0 0	0 0	100	0 0	010	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	010	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00080	04000	1 8040	2 4000	3 0400	0	52800	36 440	16680	08840	18800	0	0	12440	0
JN22																
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	0 0	0 0	100	0 0	0 0	0 0	0 0
	1D	0 0	0 0	2 000	0 0	2 000	0 0	1 000	25 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	10 000	5 000	20 000	0 0	0 0	5 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	15 000	0 0	0 0	3 000	100	1 000	100	0 0	0 0	100	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	3 000	100
	3H	0 0	0 0	0 0	1 000	4 000	0 0	0 0	4 000	0 0	0 0	100	0 0	0 0	0 0	0 0
	3F	0 0	0 0	25 000	5 000	0 0	0 0	0 0	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	10 000	0 0	0 0	0 0	0 0	0 0	100	0 0
	3B	010	0 0	0 0	0 0	1 000	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	4 000	0 0	0 0	0 0	0 0	15 000	010	1 000	100	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	0 0	1 000	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	5 000	80 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	100	0 0	1 000	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	65 000	10 000	0 0	0 0	10 000	100	0 0	100	0 0	0 0	100	0 0
	7F	0 0	0 0	15 000	0 0	0 0	0 0	0 0	15 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	55 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	50 000	0 0	0 0	0 0	0 0	100	0 0	0 0	100	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00040	0	4 2400	3 0400	2 1200	0	24000	41 324	08520	08000	10800	0	0	13200	00400
JL23																
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	0 0	0 0	100	0 0	0 0	0 0	0 0
	1D	0 0	0 0	10 000	0 0	0 0	0 0	4 000	35 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	30 000	25 000	3 000	0 0	10 000	5 000	100	010	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	8 000	0 0	0 0	5 000	100	0 0	100	0 0	0 0	100	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	100	100	0 0	0 0	1 000	0 0
	3H	0 0	0 0	0 0	0 0	10 000	0 0	0 0	100	0 0	0 0	100	0 0	0 0	0 0	0 0
	3F	0 0	0 0	55 000	6 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	1 000	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	100	0 0	0 0	0 0	2 000	0 0	0 0	5 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	100	0 0	2 000	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	100	010	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	5 000	80 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	0 0	1 000	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	50 000	10 000	0 0	2 000	15 000	100	100	010	0 0	0 0	100	0 0
	7F	0 0	0 0	15 000	0 0	0 0	0 0	0 0	15 000	1 000	0 0	100	0 0	0 0	010	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	010	0 0	010	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	70 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	60 000	0 0	0 0	0 0	0 0	0 0	100	0 0	100	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	100	0 0	010	0 0	0 0	0 0	0 0
Mean		00400	0	5 8000	3 2400	1 3800	0	84000	38 844	12840	00880	14520	0	0	04840	0
AU26																
	1B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	15 000	0 0	0 0	0 0	8 000	40 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	75 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	60 000	100	0 0	0 0	15 000	2 000	010	0 0	010	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	2 000	0 0	1 000	5 000	010	1 000	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	100	100	0 0	0 0	1 000	0 0
	3H	0 0	0 0	0 0	0 0	5 000	0 0	0 0	100	0 0	0 0	010	0 0	0 0	0 0	0 0
	3F	0 0	0 0	25 000	15 000	0 0	0 0	1 000	15 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	2 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	010	1 000	0 0	0 0	0 0	0 0	1 000	10 000	0 0	1 000	0 0	0 0	0 0	100	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	010	0 0	1 000	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	50 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	5 000	75 000	100	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	80 000	100	0 0	100	0 0	0 0	0 0	0 0
	7H	0 0	0 0	10 000	30 000	0 0	0 0	5 000	15 000	100	1 000	100	0 0	0 0	1 000	0 0
	7F	0 0	0 0	15 000	0 0	0 0	0 0	0 0	5 000	1 000	0 0	010	0 0	0 0	010	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	010	0 0	010	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	85 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	30 000	010	0 0	010	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	65 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	10 000	5 000	100	0 0	100	0 0	0 0	0 0	010	0 0	010	100	0 0

SEADYN Project, Hondo-Slave Lake Stand ?
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	PTICIL	PTIPUL	SPHANG	SPHFUS	SPHNEM	SPHRUS	SPHWAR	TOMNIT	CETPIN	CLACEN	CLACHL	CLACOC	CLACON	CLACOR	CLACRP
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
Mean		00040	04000	5.4000	2.0040	28400	0	1.5240	35.724	08120	12400	05440	0	00040	01840	0
0C09																
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.000	0.0	0.0	0.0	0.0	0.0	.010	0.0
	1C	0.0	0.0	5.000	0.0	0.0	0.0	3.000	35.000	.010	0.0	0.0	0.0	0.0	.010	0.0
	1F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	15.000	15.000	0.0	0.0	15.000	10.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	2.000	10.000	.010	1.000	0.0	0.0	0.0	.100	0.0
	3J	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	.010	.100	.100	0.0	0.0	.100	0.0
	3M	0.0	0.0	0.0	.010	2.000	0.0	0.0	3.000	0.0	0.0	.010	0.0	0.0	0.0	0.0
	3F	0.0	0.0	30.000	3.000	0.0	0.0	1.000	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	.010	0.0	0.0	0.0	0.0	0.0	1.000	1.000	0.0	0.0	.010	0.0	0.0	0.0	0.0
	5B	0.0	.100	0.0	0.0	0.0	0.0	2.000	10.000	0.0	.100	.010	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	1.000	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	5M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.0	0.0	7.000	85.000	.100	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.000	.100	0.0	.100	0.0	0.0	0.0	0.0
	7M	0.0	0.0	0.0	50.000	0.0	0.0	25.000	15.000	0.0	0.0	.010	0.0	0.0	0.0	0.0
	7F	0.0	0.0	7.000	0.0	0.0	0.0	.100	20.000	1.000	0.0	.010	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	.010	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	30.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	.010	.010	0.0
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.000	.010	0.0	0.0	0.0	0.0	0.0	0.0
Mean		00040	00400	2.2800	2.7204	1.2800	0	2.2440	42.000	05720	04800	05080	0	00040	00820	0

SEADYN Project, Hondo-Slave Lake: Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACRT	CLAFUR	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASUB	PELAPH	PELCAN	PELMAL	PELPOL	PELRUF
MA12																
	1B	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0
	3J	0 0	0 0	0 0	1 000	1 000	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	1 000
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	8 000	0 0	0 0	0 0	0 0
	3F	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	4 000	0 0
	3B	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	1 000
	5B	0 0	0 0	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0
	5F	0 0	0 0	0 0	0 0	100	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	8 000	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	1 000	10 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
Mean		0	00400	00040	24840	48840	00520	0	0	0	00440	36800	0	04000	56040	16040
JN23																
	1B	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	2 000	0 0
	3J	0 0	0 0	0 0	2 000	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	1 000	010	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	2 000	0 0
	3B	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0
	5F	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	7 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000
	9J	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		0	0	0	12400	32840	04840	0	0	00400	0	12800	0	0	40040	04000
JL29																
	1B	0 0	0 0	0 0	0 0	100	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	100	100	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	1 000	100	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	0 0	0 0	3 000	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	2 000	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	0 0
	3B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	1 000
	5B	0 0	0 0	1 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	2 000	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	10 000	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	1 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	15 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		0	0	04000	17200	66000	08840	0	00080	0	00800	20400	0	0	80400	16000
AU26																
	1B	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	1 000	0 0	0 0
	3J	0 0	0 0	0 0	100	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	3H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0
	3B	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	010
	5B	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	010	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 000	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	010	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

SEADYN Project: Monoc-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	CLACRT	CLAFUR	CLACON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASUB	PELAPH	PELCAN	PELMAL	PELPOL	PELRUF
	9M	0 0	0 0	0 0	0 0	10 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000
	9J	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		0	0	0	01360	44440	05540	0	0	00400	0	16040	0	04000	32000	06440
0C09																
	1B	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1M	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	010	100	100	0 0	010	0 0	0 0	0 0	0 0	0 0	1 000	100
	3J	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	3M	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	100	0 0
	3F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000
	3D	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 000	100
	3B	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	5B	0 0	0 0	100	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0
	5D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5M	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7M	0 0	0 0	010	100	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0
	7F	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 000	0 0
	7D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9D	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9M	0 0	0 0	0 0	0 0	1 000	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000
	9J	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		0	0	00440	01280	23680	12960	0	00040	0	0	04000	0	0	32440	13800

SEADYN Project, Mondo-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
MA10							
	1B	61.000	2	1.020	3	62.020	5
	1D	58.100	7	.210	3	58.310	10
	1F	85.000	2	.100	1	85.100	3
	1H	57.000	6	1.100	2	58.100	8
	1J	30.000	3	2.410	7	32.410	10
	3J	30.100	5	6.120	8	36.220	13
	3H	26.000	4	8.100	2	34.100	6
	3F	51.000	4	.110	2	51.110	6
	3D	82.100	4	7.210	5	89.310	9
	3B	15.210	7	2.010	3	17.220	10
	5B	48.000	6	1.220	5	49.220	11
	5D	80.000	2	2.100	2	82.100	4
	5F	65.000	1	.220	4	65.220	5
	5H	40.000	2	.030	3	40.030	5
	5J	89.100	3	1.000	1	90.100	4
	7J	70.100	2	.200	2	70.300	4
	7H	76.000	5	9.400	6	85.400	11
	7F	45.100	4	4.100	3	49.200	7
	7D	81.100	3	.110	2	81.210	5
	7B	80.000	1	.010	1	80.010	2
	9B	45.000	2	.110	2	45.110	4
	9D	75.000	2	.010	1	75.010	3
	9F	45.000	4	1.110	3	46.110	7
	9H	35.000	1	13.100	4	48.100	5
	9J	85.000	2	.020	2	85.020	4
Mean		52.19640	3.36	2.44520	3.08	60.64155	6.44
JN22							
	1B	77.100	3	.200	2	77.300	5
	1D	35.000	5	.100	1	35.100	6
	1F	85.000	2	.100	1	85.100	3
	1H	47.000	5	.100	1	47.100	6
	1J	38.000	3	3.400	6	41.400	9
	3J	26.100	4	6.200	5	32.300	9
	3H	11.000	4	2.100	2	13.100	6
	3F	70.000	4	0.0	0	70.000	4
	3D	91.000	3	4.210	5	95.210	8
	3B	14.010	6	1.010	2	15.020	8
	5B	59.000	4	1.220	5	60.220	9
	5D	88.000	2	1.100	2	89.100	4
	5F	81.100	3	.200	2	81.300	5
	5H	80.000	2	.010	1	80.010	3
	5J	85.000	2	.100	1	85.100	3
	7J	71.000	2	1.100	2	72.100	4
	7H	100.000	4	2.300	4	102.300	8
	7F	85.000	3	4.000	2	89.000	5
	7D	82.000	3	.100	1	82.100	4
	7B	85.000	1	.010	1	85.010	2
	9B	77.010	5	.100	1	77.110	6
	9D	85.000	2	0.0	0	85.000	2
	9F	51.100	3	1.100	2	52.200	5
	9H	13.000	2	8.100	3	21.100	5
	9J	88.000	2	.200	2	88.200	4
Mean		64.87680	3.16	1.48240	2.16	66.45919	5.32
JL25							
	1B	70.200	3	.210	3	70.410	6
	1D	62.000	6	.200	2	62.200	8
	1F	85.000	2	.100	1	85.100	3
	1H	79.000	6	.210	3	79.210	9
	1J	28.000	3	.600	6	28.600	9
	3J	32.000	3	3.400	7	35.400	10
	3H	20.100	3	8.100	3	28.200	6
	3F	86.000	3	0.0	0	86.000	3
	3D	90.000	2	7.010	3	97.010	5
	3B	10.100	6	1.100	2	11.200	8
	5B	43.100	6	2.000	2	45.100	8
	5D	75.000	2	2.200	3	77.200	5
	5F	76.000	2	.210	3	76.210	5
	5H	88.000	3	.100	1	88.100	4
	5J	85.000	2	1.000	1	86.000	3
	7J	85.010	2	1.100	2	86.110	4
	7H	87.000	5	2.410	6	89.410	[illegible]
	7F	55.000	3	11.110	4	66.110	7
	7D	80.010	3	.100	1	80.110	4
	7B	85.110	3	0.0	0	85.110	3
	9B	75.110	4	.120	3	75.230	7
	9D	80.000	2	0.0	0	80.000	2
	9F	62.000	2	1.300	4	63.300	6
	9H	20.000	1	19.000	3	39.000	4
	9J	87.000	2	.120	3	87.120	5
Mean		65.74980	3.16	2.46800	2.64	68.21759	5.80
AU26							
	1B	55.100	3	.010	1	55.110	4
	1D	75.000	5	.020	2	75.020	7
	1F	75.000	1	.100	1	75.100	2
	1H	87.100	5	.120	3	87.220	8
	1J	28.000	4	2.110	4	30.110	8
	3J	33.010	4	1.510	7	34.520	11
	3H	25.100	3	3.010	2	28.110	5
	3F	71.000	5	1.110	3	72.110	8
	3D	61.000	2	2.000	1	63.000	3
	3B	14.000	5	1.110	3	15.110	8
	5B	74.010	6	1.210	4	75.220	10
	5D	88.000	2	1.010	2	89.010	4
	5F	80.020	3	.110	2	80.130	5
	5H	55.000	3	.030	3	55.030	6
	5J	80.000	2	.100	1	80.100	3
	7J	80.000	1	.200	2	80.200	3
	7H	65.000	5	4.200	5	69.200	10
	7F	35.000	3	5.020	4	40.020	7
	7D	85.010	2	.020	2	85.030	4
	7B	85.010	2	.010	1	85.020	3
	9B	50.000	2	.020	2	50.020	4
	9D	75.000	2	0.0	0	75.000	2
	9F	15.200	4	1.130	5	16.330	9

SEADYN Project Monkey-Slave Lake Stand ?
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by 7x 7 m Plots

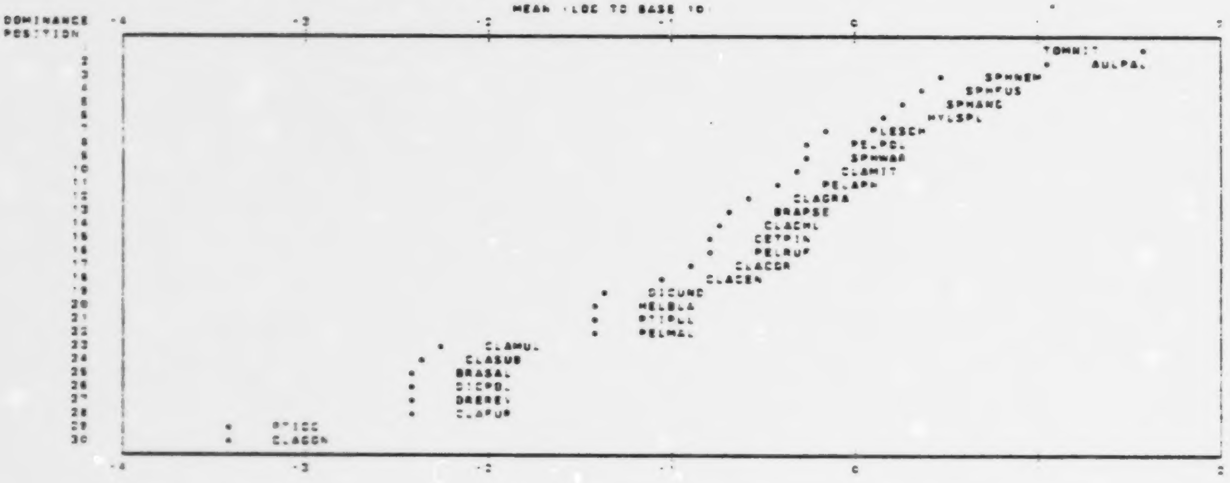
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
	9H	20 000	1	11 110	4	31 110	5
	9J	80 000	2	020	2	80 020	4
Mean		58 86240	2 28	1 41160	2 64	60 27399	5 72
0209							
	1B	74 100	4	030	3	74 130	7
	1D	80 100	7	120	3	80 220	10
	1F	81 000	3	030	2	81 030	5
	1H	58 000	5	010	1	58 010	6
	1J	15 000	3	2 430	9	17 430	12
	3J	18 100	5	1 510	7	19 610	12
	3H	7 010	4	1 110	3	8 120	7
	3F	46 000	5	1 000	1	47 000	6
	3D	36 100	5	6 200	4	42 300	9
	3B	8 010	6	120	3	8 130	9
	5B	79 100	6	220	5	79 330	11
	5D	84 000	2	1 010	2	85 010	4
	5F	82 000	2	200	2	82 200	4
	5H	78 000	3	110	2	78 110	5
	5J	92 000	2	100	1	92 100	3
	7J	85 000	1	210	3	85 210	4
	7H	91 000	4	1 220	5	92 220	9
	7F	47 100	4	2 010	3	49 110	7
	7D	80 000	1	020	2	80 020	3
	7B	85 100	3	010	1	85 110	4
	9B	75 100	3	010	1	75 110	4
	9D	82 000	2	010	1	82 010	3
	9F	31 000	2	1 030	4	32 030	6
	9H	11 100	2	10 010	4	21 110	6
	9J	81 010	3	010	1	81 020	4
Mean		59 [illegible]720	2 48	[illegible] 5000	2 88	60 227[illegible]	4 44

Hondo-Slave Lake Stand 7 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE ST828 5 (CREATION DATE = 04/16/83) Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data (7x 7m)
SUBFILE MAI2

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aulacomnium palustre	AULPAL	25	80.000	11.44400	16.05963	3.21193	0.28066	0.0	75.00000
Brachythecium salebrosum	BRASAL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Brachythecium pseudostrigosum	BRAPSE	25	8.000	0.20400	0.99937	0.19987	0.97977	0.0	5.00000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Dicranum undulatum	DICUND	25	8.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Drepanocladus revolvens	DREREV	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Helodium blandowii	HELBLA	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Hylocomium splendens	HYLSPL	25	12.000	1.48000	6.08300	1.21260	0.81932	0.0	30.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	16.000	0.72000	1.83757	0.38751	0.51044	0.0	7.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Sphagnum angustifolium	SPHANG	25	16.000	1.80400	7.05233	1.41047	0.78186	0.0	35.00000
Sphagnum fuscum	SPHFUS	25	24.000	3.40000	8.16453	1.63891	0.87871	0.0	40.00000
Sphagnum nemoreum	SPHNEM	25	32.000	3.04000	6.75450	1.35090	0.44438	0.0	30.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	24.000	0.52800	1.58180	0.31636	0.59917	0.0	7.00000
Tomenthypnum nitens	TOMNIT	25	92.000	36.44000	32.45006	6.49001	0.17810	0.0	85.00000
Cetraria pinastri	CETPIN	25	80.000	0.16680	0.42881	0.08576	0.51426	0.0	2.00000
Cladonia cenotea	CLACEN	25	20.000	0.08840	0.27574	0.05515	0.62384	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	56.000	0.18600	0.46528	0.09306	0.50030	0.0	2.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	16.000	0.12440	0.43890	0.08778	0.70563	0.0	2.00000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia gonecha	CLAGON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gracilis	CLAGRA	25	28.000	0.24840	0.66073	0.13215	0.53199	0.0	3.00000
Cladina mitis	CLAMIT	25	24.000	0.48840	2.00059	0.40012	0.81924	0.0	10.00000
Cladonia multiformis	CLAMUL	25	16.000	0.00520	0.02002	0.00400	0.77019	0.0	0.10000
Cladonia phyllophora	CLAPHY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia subulata	CLASUB	25	8.000	0.00440	0.02002	0.00400	0.90981	0.0	0.10000
Peltigera aphthosa	PELAPH	25	16.000	0.36800	1.60252	0.32051	0.87094	0.0	8.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera polydactyla	PELPOL	25	16.000	0.56040	1.78128	0.35625	0.63571	0.0	8.00000
Peltigera rufescens	PELRUF	25	16.000	0.16040	0.47244	0.09448	0.58903	0.0	2.00000

BASED ON 30 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION, C = 0.4027
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 1.4383 (NATURAL LOGARITHMS)

30 OF THE 44 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 60.6416

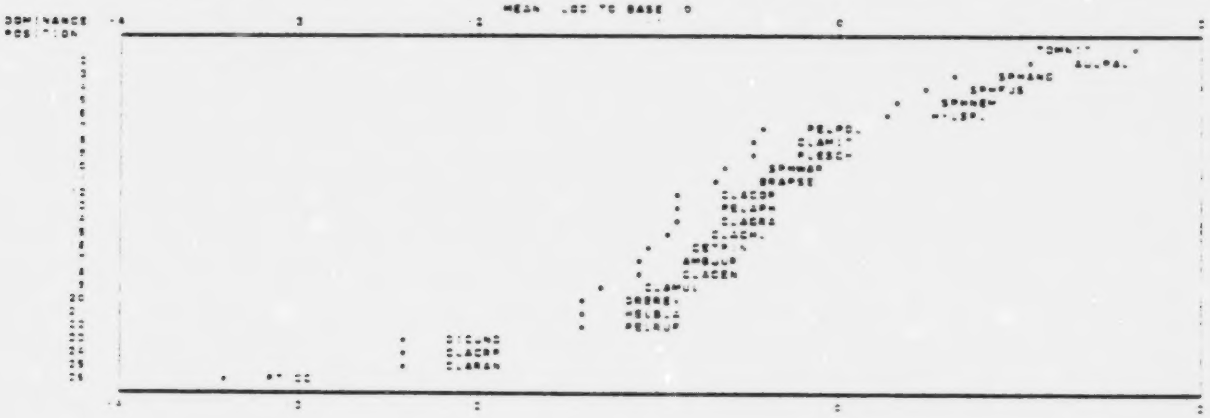


Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey   04/18/83   PAGE 6
Descriptive Statistics for Each Species Variable and the Stand
FILE ST820 S (CREATION DATE = 04/18/83) Stand 7 (62 y old Black Spruce) 1982 Bryoid Cover Data (7x 7m)
SUBFILE JN23

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	4.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Aulacomnium palustre	AULPAL	25	64.000	11.56000	14.45960	3.69192	0.31937	0.0	60.00000
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium pseudostarcuatum	BRAPSE	25	16.000	0.20840	0.99882	0.19972	0.95838	0.0	5.00000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum undulatum	DICUND	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Drepanocladus revolvens	DREREV	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Helodium blandowii	HELBLA	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Hylocomium splendens	HYLSPL	25	12.000	1.76000	7.07272	1.41454	0.80372	0.0	35.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	12.000	0.33000	0.98628	0.19765	0.59787	0.0	4.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum angustifolium	SPHANG	25	24.000	4.24000	11.21455	2.24372	0.52918	0.0	50.00000
Sphagnum fuscum	SPHFUS	25	16.000	3.04000	12.98230	2.59646	0.85410	0.0	65.00000
Sphagnum nemoreum	SPHNEM	25	24.000	2.12000	5.15849	1.03170	0.48665	0.0	20.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	8.000	0.24000	1.01160	0.20232	0.84300	0.0	5.00000
Tomenthypnum nitens	TOMNIT	25	96.000	41.32400	35.56156	7.11234	0.17212	0.0	85.00000
Cetraria pinastri	CETPIN	25	60.000	0.08520	0.19673	0.03935	0.46186	0.0	1.00000
Cladonia cenotea	CLACEN	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	36.000	0.10800	0.27221	0.05444	0.50410	0.0	1.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	16.000	0.13200	0.59941	0.11988	0.90817	0.0	3.00000
Cladonia crispata	CLACRP	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	12.000	0.12400	0.43901	0.08780	0.70809	0.0	2.00000
Cladina mitis	CLAMIT	25	20.000	0.32840	1.40422	0.28084	0.85519	0.0	7.00000
Cladonia multiformis	CLAMUL	25	16.000	0.04840	0.20018	0.04003	0.82[illegible]	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia subulata	CLASUB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	16.000	0.12800	0.43821	0.08764	0.68463	0.0	2.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	20.000	0.40040	0.95726	0.19145	0.47815	0.0	3.00000
Peltigera rufescens	PELRUF	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000

BASED ON 26 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4249
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.3353 NATURAL LOGARITHMS

26 OF THE 44 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 66.4552

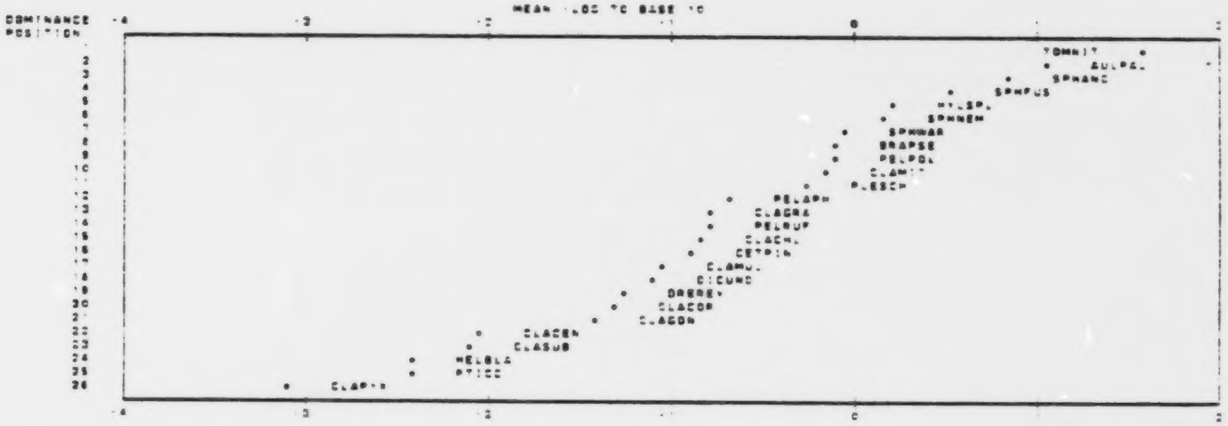


Mongo-Slave Lake Stand 7 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 9
Descriptive Statistics for Each Species Variable and the Stand
FILE ST828 S (CREATION DATE = 04/18/83) Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data - 7x 7m
SUBFILE JL29

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aulacomnium palustre	AULPAL	25	88.000	11.84040	17.08887	3.41797	0.28863	0.0	85.00000
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium pseudotriquetrum	BRAPSE	25	26.000	2.80520	3.59387	0.79875	0.28329	0.0	20.00000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum undulatum	DICUND	25	4.000	0.08000	0.40000	0.08000	1.00000	0.0	2.00000
Drepanocladus revolvens	DREREV	25	16.000	0.05200	0.20025	0.04005	0.77019	0.0	1.00000
Helodium blandowii	HELBLA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Hylocomium splendens	HYLSPL	25	12.000	1.56000	6.08599	1.21540	0.78167	0.0	30.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	16.000	0.52000	1.41774	0.28355	0.54529	0.0	5.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum angustifolium	SPHANG	25	20.000	6.80000	16.70080	3.34016	0.49120	0.0	60.00000
Sphagnum fuscum	SPHFUS	25	12.000	3.24000	10.98989	2.19798	0.67838	0.0	50.00000
Sphagnum nemoreum	SPHNEM	25	24.000	1.38000	3.10782	0.62156	0.45699	0.0	10.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	16.000	0.84000	2.30382	0.46077	0.54848	0.0	10.00000
Tomenthypnum nitens	TOMNIT	25	80.000	38.84400	35.86990	7.17398	0.18468	0.0	85.00000
Cetraria pinastri	CETPIN	25	60.000	0.12840	0.26677	0.05335	0.41552	0.0	1.00000
Cladonia cenotea	CLACEN	25	16.000	0.00680	0.02759	0.00552	0.82898	0.0	0.10000
Cladonia chlorophaea	CLACHL	25	44.000	0.14820	0.43481	0.08696	0.58683	0.0	2.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	16.000	0.04840	0.20016	0.04003	0.82711	0.0	1.00000
Cladonia crispata	CLACRP	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Cladonia gracilis	CLAGRA	25	24.000	0.17200	0.41950	0.08390	0.54553	0.0	2.00000
Cladina mitis	CLAMIT	25	28.000	0.86000	2.99418	0.59883	0.69632	0.0	15.00000
Cladonia multiformis	CLAMUL	25	36.000	0.08840	0.27574	0.05515	0.62384	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia pyxidata	CLAPYX	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia subulata	CLASUB	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Peltigera aphthosa	PELAPH	25	8.000	0.20400	0.99937	0.19987	0.97977	0.0	5.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	20.000	0.80400	2.25322	0.45065	0.56051	0.0	10.00000
Peltigera rufescens	PELRUF	25	8.000	0.16000	0.62450	0.12490	0.78062	0.0	3.00000

BASED ON 26 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.3871
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.9089 (NATURAL LOGARITHMS)

26 OF THE 44 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 68.2176

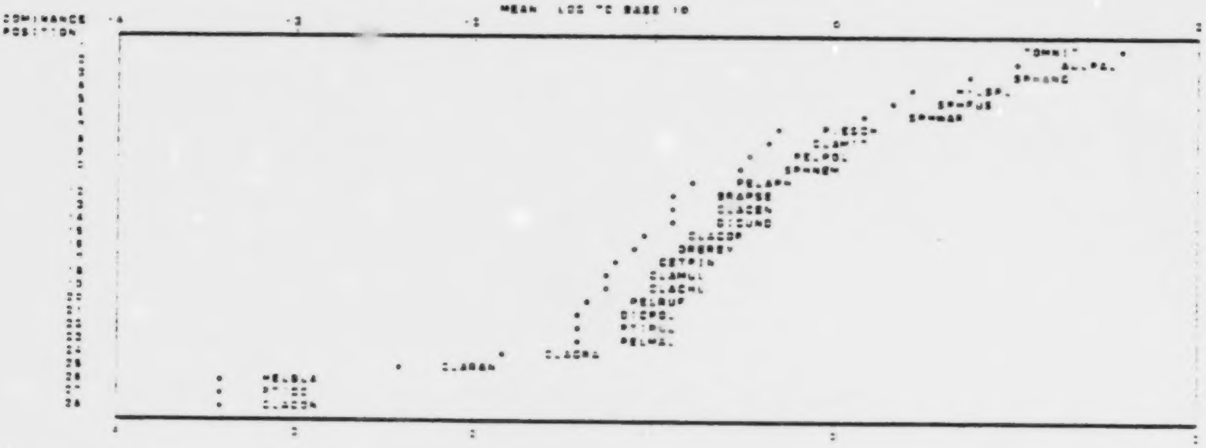


HENGE-SLAVE LAKE STAND 7 1982 BRYOID COMM. MONITOL SURVEY 04/18/83 PAGE 10
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE 37626 5 (CREATION DATE = 04/18/83) STAND 7 62 Y OLD BLACK SPRUCE 1982 BRYOID COVER DATA 1X 1M
SUBFILE AU25

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aulacomnium palustre	AULPAL	25	64.000	10.64000	13.41229	2.68271	0.25686	0.0	50.00000
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium pseudostriquetrum	BRAPSE	25	12.000	0.12480	0.58842	0.11768	0.95369	0.0	3.00000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Dicranum undulatum	DICUND	25	12.000	0.12040	0.43953	0.08791	0.73021	0.0	2.00000
Drepanocladus revolvens	DREREV	25	12.000	0.08080	0.39864	0.07973	0.98677	0.0	2.00000
Helodium blandowii	HELBLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Hylocomium splendens	HYLSPL	25	8.000	2.60000	12.00000	2.40000	0.92308	0.0	60.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	12.000	0.48000	1.53080	0.30616	0.63783	0.0	7.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Sphagnum angustifolium	SPHANG	25	24.000	5.40000	13.14344	2.62869	0.48678	0.0	60.00000
Sphagnum fuscum	SPHFUS	25	16.000	2.00400	6.61316	1.32263	0.65999	0.0	30.00000
Sphagnum nemoreum	SPHNEM	25	12.000	0.28400	1.05053	0.21211	0.74686	0.0	5.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	36.000	1.52400	3.46377	0.69275	0.45456	0.0	15.00000
Tomenthypnum nitens	TOMNIT	25	64.000	26.72400	23.38532	4.67706	0.17501	0.0	85.00000
Cetraria pinastri	CETPIN	25	72.000	0.06120	0.19871	0.03974	0.64938	0.0	1.00000
Cladonia cenotea	CLACEN	25	16.000	0.12800	0.32078	0.06616	0.53348	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	46.000	0.05440	0.19988	0.03983	0.73400	0.0	1.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	20.000	0.05840	0.27574	0.05515	0.62384	0.0	1.00000
Cladonia crispata	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	28.000	0.01360	0.03277	0.00655	0.48184	0.0	0.10000
Cladina mitis	CLAMIT	25	16.000	0.44440	2.00076	0.40015	0.90042	0.0	10.00000
Cladonia multiformis	CLAMUL	25	24.000	0.05840	0.20008	0.04002	0.72942	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia pyxidata	CLAPYX	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina rangiferina	CLARAN	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladonia subulata	CLASUB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	12.000	0.16040	0.62440	0.12488	0.77855	0.0	3.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera polydactyla	PELPOL	25	12.000	0.22000	0.84515	0.16903	0.76832	0.0	4.00000
Peltigera rufescens	PELRUF	25	12.000	0.04440	0.20008	0.04002	0.90128	0.0	1.00000

BASED ON 28 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.2931
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.4140 NATURAL LOGARITHMS

28 OF THE 44 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 86.2740

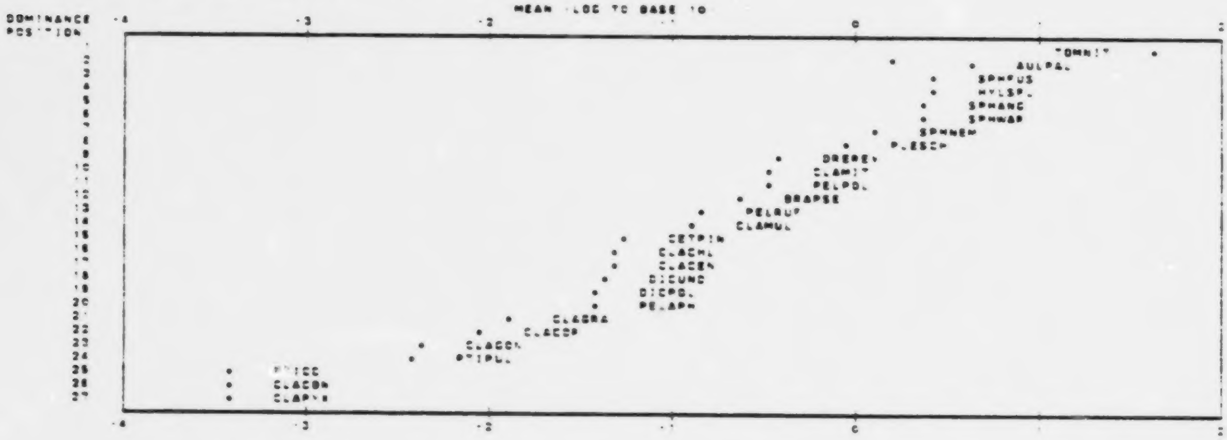


Hondo-Slave Lake Stand 7 1982 Bryoid Comm Monthly Survey 04/15/83 PAGE 11
Descriptive Statistics for Each Species Variable and the Stand
FILE S7828 S (CREATION DATE = 04/15/83) Stand 7 (63 y old Black Spruce) 1982 Bryoid Cover Data (7x 7m)
SUBFILE OC09

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aulacomnium palustre	AULPAL	25	60.000	4.32400	5.88981	1.17786	0.27243	0.0	20.00000
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium pseudotriquetrum	BRAPSE	25	12.000	0.24040	0.83054	0.16611	0.69097	0.0	3.00000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Dicranum undulatum	DICUND	25	4.000	0.04400	0.20017	0.04003	0.90985	0.0	1.00000
Drepanocladus revolvens	DREREV	25	24.000	0.36800	1.07305	0.21461	0.58318	0.0	5.00000
Helodium blandowii	HELBLA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hylocomium splendens	HYLSPL	25	24.000	2.55200	11.88853	2.37789	0.90422	0.0	60.00000
Plagiomnium cuspidatum	PLACUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pleurozium schreberi	PLESCH	25	16.000	0.88000	2.33310	0.46662	0.53025	0.0	10.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Sphagnum angustifolium	SPHANG	25	16.000	2.28000	6.67408	1.33482	0.58545	0.0	30.00000
Sphagnum fuscum	SPHFUS	25	16.000	2.72040	10.30571	2.06114	0.75766	0.0	50.00000
Sphagnum nemoreum	SPHNEM	25	8.000	1.28000	5.99667	1.19933	0.93698	0.0	30.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	36.000	2.24400	5.74500	1.14900	0.51203	0.0	25.00000
Tomenthypnum nitens	TOMNIT	25	96.000	42.00000	35.81550	7.16310	0.17055	0.0	85.00000
Cetraria pinastri	CETPIN	25	56.000	0.05720	0.18890	0.03578	0.89547	0.0	1.00000
Cladonia cenotea	CLACEN	25	12.000	0.04800	0.20025	0.04005	0.83437	0.0	1.00000
Cladonia chlorophaea	CLACHL	25	40.000	0.05080	0.19960	0.03992	0.78584	0.0	1.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	30.000	0.00820	0.02753	0.00551	0.58635	0.0	0.10000
Cladonia crispata	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gonecha	CLAGON	25	8.000	0.00440	0.02002	0.00400	0.90985	0.0	0.10000
Cladonia gracilis	CLAGRA	25	20.000	0.01280	0.03298	0.00660	0.51531	0.0	0.10000
Cladina mitis	CLAMIT	25	32.000	0.33680	1.40244	0.28049	0.83280	0.0	7.00000
Cladonia multiformis	CLAMUL	25	36.000	0.12960	0.32917	0.06583	0.50798	0.0	1.00000
Cladonia phyllophora	CLAPHY	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia pyxidata	CLAPYX	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia subulata	CLASUB	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	24.000	0.32440	1.02633	0.20527	0.63389	0.0	5.00000
Peltigera rufescens	PELRUF	25	24.000	0.13600	0.43673	0.08735	0.64225	0.0	2.00000

BASED ON 27 POSITIVE MEANS SIMPSON S INDEX OF DOMINANCE CONCENTRATION C = 0.4991
SHANNON-WEAVER INDEX OF DIVERSITY H = 1.2833 (NATURAL LOGARITHMS)

27 OF THE 44 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 60.2272



Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S7828.S CREATION DATE = 04/16/83 Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data 7x7m
SUBFILE MAI2

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	58.18640	21.64957	4.32991	0.07440	15.21000	88.09999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.36000	1.82300	0.36460	0.10851	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	100.000	3.44520	3.55178	0.71036	0.20618	0.01000	13.10000
Mean Lichen Species Richness	LICHENRP	25	100.000	3.68600	1.36908	0.27381	0.07428	1.00000	6.00000
Mean Cover of All Species	TOTALCV	25	100.000	60.64155	20.87502	4.17500	0.06885	17.21999	95.09999
Mean Richness of All Species	TOTALRP	25	100.000	6.44000	3.00111	0.60022	0.09320	2.00000	13.00000

Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S7828.S CREATION DATE = 04/16/83 Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data 7x7m
SUBFILE JN22

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	64.97560	27.36556	5.47711	0.08429	.00000	100.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.16000	1.24788	0.24952	0.07897	.00000	5.00000
Mean Lichen Cover	LICHENCV	25	92.000	1.48240	3.14491	0.62898	0.28838	0.0	8.10600
Mean Lichen Species Richness	LICHENRP	25	92.000	2.16096	1.62481	0.32496	0.15045	0.0	6.00000
Mean Cover of All Species	TOTALCV	25	100.000	66.45819	26.50244	5.30049	0.07978	12.10000	102.29999
Mean Richness of All Species	TOTALRP	25	100.000	5.32000	2.18494	0.43697	0.08101	2.00000	9.00000

Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S7828.S CREATION DATE = 04/18/83 Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data 7x7m
SUBFILE JL28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	55.74960	25.14371	5.02874	0.07648	10.10000	90.60000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.16000	1.49106	0.29822	0.09437	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	88.000	2.46836	4.46662	0.89332	0.36186	0.0	19.00000
Mean Lichen Species Richness	LICHENRP	25	67.000	2.84000	1.33397	0.26679	[illegible]	0.0	7.00000
Mean Cover of All Species	TOTALCV	25	100.000	58.21758	23.30026	4.66005	0.0802	1.20000	97.00999
Mean Richness of All Species	TOTALRP	25	100.000	5.63000	2.44941	0.48988	0.08697	2.00000	[illegible]

Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S7828.S CREATION DATE = 04/16/83 Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data 7x7m
SUBFILE AU28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	56.66240	24.34411	4.86882	0.08593	4.00000	88.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	2.88000	1.45987	0.29194	0.09843	1.00000	6.00000
Mean Lichen Cover	LICHENCV	25	96.000	4.17160	2.43724	0.48745	0.34832	0.0	10.00000
Mean Lichen Species Richness	LICHENRP	25	96.000	2.54000	1.05418	0.21083	0.08283	0.0	5.00000
Mean Cover of All Species	TOTALCV	25	100.000	60.27391	22.15203	4.43041	0.07482	5.10000	91.20999
Mean Richness of All Species	TOTALRP	25	100.000	5.72000	2.56914	0.51383	0.08983	2.00000	[illegible]

Hondo-Slave Lake Stand 7 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 17
Statistics for Synthetic Cover and Species Richness Variables
FILE S7828.S CREATION DATE = 04/16/83 Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data 7x7m
SUBFILE OC29

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	55.27720	25.38262	5.07652	0.09184	7.01000	93.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.48000	1.11036	0.22207	0.06381	1.00000	7.00000
Mean Lichen Cover	LICHENCV	25	100.000	1.59000	2.02115	0.40423	0.2545	0.01000	10.01000
Mean Lichen Species Richness	LICHENRP	25	100.000	2.92000	1.43214	0.28722	[illegible]	1.00000	8.00000
Mean Cover of All Species	TOTALCV	25	100.000	65.22711	26.26330	5.25264	0.08055	6.12000	92.21999
Mean Richness of All Species	TOTALRP	25	100.000	6.44000	2.8266	0.56532	0.08778	3.00000	12.00000

SEADYN Project Hanna-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	AMBJUR	AULPAL	BRASAL	BRAPSE	CEPLUN	CERPUR	DICPOL	DICUND	DREREV	HELBLA	HYLSPL	PLACUS	PLESCH	POLJUN
AUT															
	0A	0.0	50.000	0.0	0.0	0.0	0.0	0.0	.100	.010	0.0	0.0	0.0	0.0	0.0
	0C	0.0	10.000	0.0	.010	0.0	0.0	0.0	.010	.010	0.0	0.0	0.0	0.0	0.0
	0E	0.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010	0.0	2.000	0.0
	0G	0.0	20.000	0.0	.010	0.0	0.0	0.0	.010	.010	0.0	2.000	0.0	0.0	0.0
	0I	0.0	25.000	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.010	0.0	0.0	0.0
	2I	0.0	20.000	0.0	.010	0.0	0.0	0.0	.100	.100	0.0	.010	0.0	.010	0.0
	2G	0.0	15.000	0.0	.010	0.0	0.0	0.0	.010	.010	0.0	2.000	0.0	1.000	0.0
	2E	0.0	30.000	0.0	.100	0.0	0.0	0.0	.100	0.0	0.0	0.0	.010	.010	0.0
	2C	0.0	15.000	0.0	.010	0.0	0.0	0.0	.100	.010	0.0	2.000	0.0	1.000	0.0
	2A	0.0	15.000	0.0	.010	0.0	0.0	0.0	.100	.100	.010	2.000	0.0	.100	0.0
	4A	0.0	10.000	0.0	0.0	0.0	0.0	0.0	.010	.010	0.0	3.000	0.0	1.000	0.0
	4C	0.0	10.000	0.0	.010	0.0	0.0	0.0	.100	.010	0.0	1.000	0.0	.100	0.0
	4E	0.0	10.000	0.0	.010	0.0	0.0	0.0	.100	0.0	0.0	.100	0.0	.010	0.0
	4G	0.0	15.000	0.0	.010	0.0	0.0	0.0	.100	.100	0.0	1.000	0.0	0.0	0.0
	4I	0.0	10.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.010	0.0	0.0	0.0
	6I	0.0	20.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	.100	0.0
	6G	0.0	5.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	1.000	0.0	0.0	0.0
	6E	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0
	6C	0.0	30.000	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0	.100	0.0	1.000	0.0
	6A	0.0	10.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	1.000	0.0	1.000	0.0
	8A	0.0	20.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	8C	0.0	10.000	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8E	0.0	30.000	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0
	8G	0.0	20.000	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	4.000	0.0	1.000	0.0
	8I	0.0	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.100	0.0	2.000	0.0
Mean		0	18.200	0	.00800	0	0	0	.09080	.01880	.00040	[illegible]760	.00040	.41320	0

```
TRANSPACE REQUIRED          600 BYTES
     6 TRANSFORMATIONS
     6 RECODE VALUES + LAG VARIABLES
    52 IF COMPUTE OPERATIONS

CPU TIME REQUIRED       0.15 SECONDS

            43 REPORT         FORMAT = HDSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
            44                VARIABLES = PLOTNO 'Plot' (4) ATTICO TO CLACRP (6)
            45                HEAD = 'SEADYN Project  Hanna-Slave Lake  Stand 7'
            46                 'Monthly Survey of Bryophyte and Lichen Community'
            47                 'Species Cover % Values by 5x5 m Plots'
            48                BREAK = SUBFILE 'Date' (4)
            49                SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2606 BYTES FOR THIS TASK
```

SEASYN Project Hongo-Slave Lake Stand ?
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By 5x5 m Plots

Date	Plot	PTICO	PTIPUL	SPHANG	SPHFUS	SPHNEM	SPHRUS	SPHMAG	TOMNIT	CETPIN	CLACEN	CLACHL	CLACOC	CLACOR	CLACGR	CLACRP
[illegible]																
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.10	20.000	0.10	0.0	0.10	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	1.000	1.00	0.10	0.0	1.00	60.000	0.10	0.0	0.10	0.0	0.0	0.10	0.0
	[illegible]	0.10	0.0	2.000	2.000	0.0	0.0	0.10	60.000	0.0	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.000	0.10	0.0	0.0	1.000	25.000	0.0	0.0	1.00	0.0	0.0	1.00	0.0
	[illegible]	0.0	0.0	2.000	2.000	0.10	0.0	1.000	25.000	0.0	0.0	0.10	0.0	0.0	1.00	0.0
	[illegible]	0.10	0.0	2.000	0.0	0.0	0.0	0.10	50.000	1.00	0.0	0.10	0.10	0.0	0.10	0.0
	[illegible]	0.0	0.0	3.000	4.000	0.0	0.0	1.000	15.000	0.0	0.0	0.10	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.00	0.0	1.00	0.0	1.000	25.000	0.10	0.0	1.00	0.0	0.0	1.00	0.10
	[illegible]	0.0	0.0	1.000	3.000	1.00	0.0	1.000	20.000	0.10	0.0	0.10	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.00	0.0	1.000	0.0	1.00	15.000	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	[illegible]	0.10	0.0	1.000	0.0	0.10	0.0	1.00	20.000	0.10	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.000	0.0	1.000	0.0	1.00	25.000	0.0	0.0	1.00	0.10	0.0	1.00	0.0
	[illegible]	0.0	0.0	1.000	0.0	0.0	0.0	1.000	35.000	0.10	0.10	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.000	1.000	1.00	0.0	1.00	20.000	0.10	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	10.000	3.000	0.0	0.0	2.000	30.000	0.10	0.10	1.00	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	0.10	0.0	0.0	0.0	0.0	25.000	1.00	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	3.000	2.000	1.00	0.0	1.000	15.000	0.10	0.0	0.10	0.0	0.0	1.00	0.0
	[illegible]	0.0	0.0	5.000	2.000	1.00	0.0	1.000	10.000	0.10	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	1.00	0.0	0.0	0.0	0.0	15.000	0.10	0.0	0.0	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	2.000	5.000	1.00	0.0	2.000	15.000	0.0	0.0	0.10	0.0	0.0	0.10	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.000	0.10	0.0	0.10	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.10	0.0	0.0	0.0	0.0	75.000	0.10	0.0	0.10	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.000	0.0	0.0	0.10	0.0	0.0	0.0	0.0
	[illegible]	0.0	0.0	4.000	4.000	1.00	0.0	2.000	10.000	0.0	0.0	0.0	0.0	0.0	00	0.0
	[illegible]	0.0	0.10	0.0	1.00	0.0	0.0	0.0	15.000	0.0	0.0	0.10	0.0	0.0	0.10	0.0
Mean		00 20	00040	6528	284	10820	0	52 20	27 800	0 220	00040	02 20	00080	0	02980	00040

SEADYN Project Mongo-Slave Lake Stand ?
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACRI	CLAFUR	CLAGON	CLAGRA	CLAMIT	CLAMUL	CLAPHY	CLAPYX	CLARAN	CLASUB	PELAPH	PELCAN	PELMAL	PELPOL	PELRUF
AL1?																
	0A	0 0	0 0	0 0	010	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0C	0 0	0 0	0 0	010	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	0E	0 0	0 0	0 0	0 0	1 000	100	010	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	0C	0 0	0 0	0 0	100	1 000	0 0	0 0	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0
	0I	0 0	0 0	0 0	100	1 000	100	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	010
	0I	0 0	0 0	0 0	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	2C	0 0	0 0	0 0	0 0	2 000	010	0 0	0 0	0 0	0 0	100	0 0	010	0 0	0 0
	2E	0 0	0 0	0 0	010	100	0 0	0 0	0 0	0 0	010	1 000	0 0	0 0	010	0 0
	2C	0 0	0 0	0 0	010	100	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	100	0 0
	2A	0 0	0 0	0 0	010	1 000	100	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	100
	4A	0 0	0 0	0 0	010	1 000	010	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	100
	4C	0 0	0 0	0 0	100	1 000	010	0 0	0 0	0 0	010	100	0 0	0 0	100	0 0
	4E	0 0	0 0	0 0	010	4 000	010	0 0	0 0	0 0	010	0 0	0 0	1 000	010	0 0
	4C	0 0	0 0	0 0	010	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	4I	0 0	0 0	0 0	010	010	0 0	0 0	010	0 0	010	0 0	0 0	0 0	100	0 0
	6I	0 0	010	0 0	0 0	100	0 0	0 0	010	0 0	0 0	010	0 0	0 0	0 0	010
	6C	0 0	0 0	0 0	100	100	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	1 000	010
	6E	0 0	0 0	0 0	010	100	100	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0
	6C	0 0	0 0	010	0 0	1 000	100	0 0	0 0	0 0	0 0	100	0 0	0 0	100	0 0
	6A	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	1 000	0 0
	8A	0 0	0 0	0 0	010	010	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0
	8C	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100	0 0
	8E	0 0	0 0	0 0	0 0	100	010	0 0	0 0	0 0	0 0	100	0 0	0 0	100	0 0
	8C	0 0	0 0	0 0	010	3 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	8I	0 0	0 0	0 0	0 0	100	100	0 0	0 0	0 0	0 0	010	0 0	0 0	100	0 0
Mean		0	00040	00040	02120	75400	03520	00040	00080	0	00160	15080	0	04080	11280	01720

SEADYN Project, Mondo-Slave Lake Stand 7
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

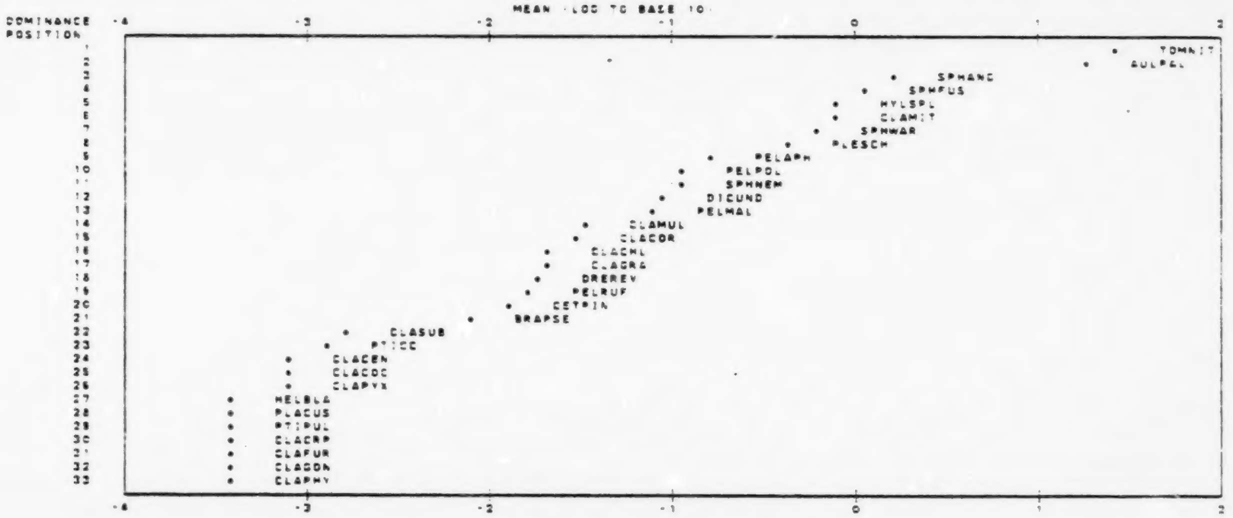
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU17							
	06	70.120	5	.050	5	70.170	10
	0C	71.240	9	.050	5	71.290	14
	08	57.030	8	1.130	5	58.160	13
	0C	49.060	9	2.400	6	51.460	15
	0:	57.020	4	2.330	7	59.350	15
	::	72.250	10	.240	6	72.490	16
	2C	41.030	10	2.140	6	43.170	16
	28	58.420	9	1.350	9	59.770	18
	2C	43.220	11	.340	7	43.560	18
	24	33.520	11	1.320	6	34.840	18
	44	35.140	10	1.240	7	36.380	17
	42	38.320	10	1.530	9	39.850	19
	48	47.220	8	5.070	9	52.290	17
	46	28.410	10	1.140	8	29.550	18
	4:	54.020	7	.270	8	54.290	15
	6:	45.120	9	.250	7	45.370	12
	6C	27.200	8	2.340	9	29.540	[illegible]
	68	28.200	7	.330	8	28.530	12
	6C	46.210	6	1.330	7	47.540	13
	62	37.200	9	1.130	5	38.330	14
	64	60.100	3	.240	6	60.340	9
	8C	85.020	4	1.120	4	86.140	8
	88	55.100	3	.320	5	55.420	8
	8C	45.200	9	3.310	5	48.510	14
	8.	42.210	8	.330	6	42.540	12
Mean		50.62238	7.80	1.25160	6.48	51.87387	14.28

Hondo-Slave Lake Stand 7 1982 Bryoid Comm Monthly Survey 04/18/83 PAGE 7
Descriptive Statistics for Each Species Variable and the Stand
FILE S782825 (CREATION DATE = 04/18/83) Stand 7 (82 y old Black Spruce) 1982 Bryoid Cover Data (5x5 m)
SUBFILE AU17

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Amblystegium juratzkanum	AMBJUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aulacomnium palustre	AULPAL	25	100.000	18.20000	9.77667	1.95533	0.10744	5.00000	50.00000
Brachythecium salebrosum	BRASAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brachythecium pseudotriquetrum	BRAPSE	25	44.000	0.00800	0.01875	0.00385	0.48475	0.0	0.10000
Cephalozia lunulifolia	CEPLUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ceratodon purpureus	CERPUR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum undulatum	DICUND	25	80.000	0.09080	0.19521	0.03904	0.42995	0.0	1.00000
Drepanocladus revolvens	DREREV	25	44.000	0.01880	0.03644	0.00729	0.38763	0.0	0.10000
Helodium blandowii	HELBLA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Hylocomium splendens	HYLSPL	25	72.000	0.77760	1.11661	0.22332	0.28720	0.0	4.00000
Plagiomnium cuspidatum	PLACUS	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Pleurozium schreberi	PLESCH	25	56.000	0.41320	0.63777	0.12755	0.30870	0.0	2.00000
Polytrichum juniperinum	POLJUN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Ptilidium pulcherrimum	PTIPUL	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Sphagnum angustifolium	SPHANG	25	84.000	1.65280	2.22426	0.44485	0.26915	0.0	10.00000
Sphagnum fuscum	SPHFUS	25	52.000	1.12840	1.58361	0.31672	0.28068	0.0	5.00000
Sphagnum nemoreum	SPHNEM	25	48.000	0.10920	0.27174	0.05435	0.49766	0.0	1.00000
Sphagnum russowii	SPHRUS	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	76.000	0.62120	0.80112	0.16022	0.25792	0.0	3.00000
Tomenthypnum nitens	TOMNIT	25	100.000	27.60000	16.96320	3.39264	0.12292	10.00000	75.00000
Cetraria pinastri	CETPIN	25	60.000	0.01320	0.02657	0.00531	0.40259	0.0	0.10000
Cladonia cenotea	CLACEN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	68.000	0.02120	0.03539	0.00708	0.33390	0.0	0.10000
Cladonia coccifera	CLACOC	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	80.000	0.02960	0.04057	0.00811	0.27410	0.0	0.10000
Cladonia crispata	CLACRP	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cristatella	CLACRT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia furcata	CLAFUR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gonecha	CLAGON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia gracilis	CLAGRA	25	68.000	0.02120	0.03539	0.00708	0.33390	0.0	0.10000
Cladina mitis	CLAMIT	25	100.000	0.75400	0.99724	0.19945	0.26452	0.01000	4.00000
Cladonia multiformis	CLAMUL	25	64.000	0.03520	0.04556	0.00911	0.25884	0.0	0.10000
Cladonia phyllophora	CLAPHY	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia pyxidata	CLAPYX	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladina rangiferina	CLARAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia subulata	CLASUB	25	16.000	0.00160	0.00374	0.00075	0.46771	0.0	0.01000
Peltigera aphthosa	PELAPH	25	60.000	0.16080	0.31975	0.06395	0.39770	0.0	1.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	16.000	0.08080	0.27666	0.05533	0.68480	0.0	1.00000
Peltigera polydactyla	PELPOL	25	48.000	0.11280	0.27096	0.05419	0.48043	0.0	1.00000
Peltigera rufescens	PELRUF	25	28.000	0.01720	0.03703	0.00741	0.43055	0.0	0.10000

BASED ON 33 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4083
SHANNON-WEAVER INDEX OF DIVERSITY, H' = 1.2038 (NATURAL LOGARITHMS)

33 OF THE 44 VARIABLES HAVE POSITIVE MEANS, WHICH SUM TO 51.8740



Hondo-Slave Lake Stand 7 1982 Bryoid Comm Monthly Survey 04/16/83 PAGE 5
Statistics for Synthetic Cover and Species Richness Variables
FILE ST82B25 CREATION DATE = 04/16/83 Stand 7 182 y old Black Spruce 1982 Bryoid Cover Data (5x5 m)
SUBFILE AUT

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100 000	50 52238	15 91055	3 18211	0 06238	27 20000	85 01999
Mean Bryophyte Species Richness	BRYOPHRP	25	100 000	7 80000	2 38048	0 47610	0 06104	3 00000	11 00000
Mean Lichen Cover	LICHENCV	25	100 000	1 25160	1 18511	0 23702	0 18937	0 05000	5 37000
Mean Lichen Species Richness	LICHENRP	25	100 000	6 48000	1 50333	0 30067	0 04640	4 00000	9 00000
Mean Cover of All Species	TOTALCV	25	100 000	51 67297	15 61784	3 12357	0 06021	28 52997	88 13998
Mean Richness of All Species	TOTALRP	25	100 000	14 28000	3 11805	0 62[illegible]	0 04364	8 00000	19 00000

SEADYN Project, Menoo-Slave Lake Stand E
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 7x 7 m Plots

Date	Plot	AULPAL	BRYPSE	DICPOL	DICUND	HYLSPL	PLESCH	POLJUN	POLSTR	PTICIL	PTIPUL	SPHFUS	SPHNEM	SPHWAR	TOMNIT	CETPIN	CLACEN	CLACHL
MA11	1B	0 0	0 0	0 0	0 0	100	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	85 000	0 0	0 0	0 0	0 0	0 0	8 000	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	4 000	100	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
	1H	0 0	0 0	0 0	2 000	20 000	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	1J	0 0	0 0	0 0	0 0	25 000	60 000	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	3J	0 0	0 0	0 0	0 0	20 000	55 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	70 000	25 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	1 000	4 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	20 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	8 000	40 000	25 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	1 000	2 000	80 000	0 0	0 0	0 0	0 0	4 000	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	20 000	50 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	30 000	45 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	25 000	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	85 000	10 000	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	30 000	0 0	0 0	35 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	35 000	45 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	20 000	0 0	80 000	15 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	10 000	1 000	80 000	0 0	0 0	0 0	100	0 0	1 000	0 0	0 0	0 0	0 0	010
	7B	0 0	0 0	0 0	0 0	100	85 000	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0	0 0
	9B	1 000	0 0	0 0	2 000	100	40 000	010	0 0	0 0	100	0 0	0 0	100	0 0	010	0 0	1 000
	9D	0 0	0 0	0 0	0 0	10 000	85 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	9F	100	0 0	0 0	0 0	20 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	25 000	20 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	010
	9J	0 0	0 0	0 0	0 0	35 000	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	100
Mean		04400	0	2 0000	1 0800	21 776	50 560	00040	0	12000	04840	24000	38000	00400	0	00120	0	04920
JN22	1B	0 0	0 0	0 0	0 0	10 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1D	0 0	0 0	0 0	0 0	0 0	80 000	0 0	0 0	0 0	0 0	0 0	15 000	0 0	0 0	100	0 0	0 0
	1F	0 0	0 0	0 0	3 000	5 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	2 000	15 000	55 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	1J	0 0	0 0	0 0	0 0	35 000	45 000	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	40 000	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	65 000	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	2 000	7 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3D	0 0	0 0	0 0	0 0	30 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	5 000	25 000	35 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	2 000	15 000	75 000	0 0	0 0	0 0	0 0	4 000	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	20 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	85 000	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	5H	0 0	0 0	0 0	0 0	20 000	45 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	60 000	15 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	30 000	0 0	100	40 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	80 000	40 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	25 000	0 0	50 000	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	10 000	5 000	70 000	0 0	0 0	0 0	100	100	0 0	0 0	0 0	0 0	0 0	100
	7B	0 0	0 0	0 0	0 0	100	85 000	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0	0 0
	9B	100	0 0	0 0	1 000	1 000	30 000	010	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	100
	9D	0 0	0 0	0 0	0 0	15 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	9F	0 0	0 0	0 0	0 0	40 000	45 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	35 000	20 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	010
	9J	0 0	0 0	0 0	0 0	60 000	20 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Mean		00400	0	2 2000	96000	28 528	45 080	00440	0	00400	05200	28400	60000	0	0	00480	0	00880
JL25	1B	0 0	0 0	0 0	0 0	10 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	1D	0 0	0 0	0 0	0 0	0 0	70 000	0 0	0 0	0 0	0 0	0 0	20 000	0 0	0 0	0 0	0 0	0 0
	1F	0 0	0 0	0 0	3 000	100	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	1H	0 0	0 0	0 0	2 000	25 000	35 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1J	0 0	0 0	0 0	0 0	15 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3J	0 0	0 0	0 0	0 0	60 000	15 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	010
	3H	0 0	0 0	0 0	0 0	65 000	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	1 000	3 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	3D	0 0	0 0	0 0	0 0	15 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	10 000	25 000	50 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	3 000	2 000	75 000	0 0	0 0	0 0	0 0	5 000	0 0	0 0	0 0	0 0	0 0	0 0
	5D	0 0	0 0	0 0	0 0	10 000	75 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	010
	5F	0 0	0 0	0 0	0 0	40 000	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5H	0 0	0 0	0 0	0 0	15 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	80 000	15 000	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	25 000	0 0	0 0	35 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	0 0	0 0	40 000	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7F	0 0	0 0	25 000	0 0	50 000	15 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7D	0 0	0 0	0 0	8 000	5 000	75 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	100
	7B	0 0	0 0	0 0	0 0	100	85 000	010	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0	0 0
	9B	0 0	0 0	0 0	2 000	100	35 000	010	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	100
	9D	0 0	0 0	0 0	0 0	15 000	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9F	0 0	0 0	0 0	0 0	20 000	70 000	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	9H	0 0	0 0	0 0	0 0	15 000	30 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	010
	9J	0 0	0 0	0 0	0 0	30 000	25 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	100
Mean		0	0	2 0000	1 1200	21 532	49 520	00120	0	04000	12560	28000	80000	0	0	0	0	01440
AU25	1B	0 0	0 0	0 0	0 0	10 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	010
	1D	0 0	0 0	0 0	0 0	0 0	80 000	0 0	0 0	0 0	0 0	0 0	10 000	0 0	0 0	100	0 0	0 0
	1F	0 0	0 0	0 0	2 000	100	75 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	1H	0 0	0 0	0 0	2 000	25 000	40 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	010
	1J	0 0	0 0	0 0	0 0	15 000	70 000	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	3J	0 0	0 0	0 0	0 0	60 000	10 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3H	0 0	0 0	0 0	0 0	65 000	40 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3F	0 0	0 0	0 0	0 0	3 000	5 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	3D	0 0	0 0	0 0	0 0	20 000	60 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	3B	0 0	0 0	0 0	6 000	30 000	35 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5B	0 0	0 0	0 0	1 000	1 000	75 000	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	010	0 0	0 0
	5D	0 0	0 0	0 0	0 0	20 000	60 000	0 0	0 0	100	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5F	0 0	0 0	0 0	0 0	50 000	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	5H	0 0	0 0	0 0	0 0	15 000	50 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	5J	0 0	0 0	0 0	0 0	80 000	5 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7J	0 0	0 0	35 000	0 0	0 0	30 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	7H	0 0	0 0	010	0 0	30 000	45 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	7F	0 0	0 0	25 000	0 0	30 000	25 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010
	7D	0 0	0 0	0 0	20 000	1 000	65 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	010
	7B	0 0	0 0	0 0	0 0	0 0	80 000	010	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0
	9B	100	0 0	0 0	2 000	0 0	40 000	010	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0	0 0	100
	9D	0 0	0 0	0 0	0 0	3 000	80 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0
	9F	0 0	0 0	0 0	0 0	30 000	50 000	100	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0

SEADYN Project Hondo-Slave Lake Stand 5
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By [illegible] m Plots

Date	Plot	AULPAL	BRYPSE	DICPOL	DICUND	HYLSPL	PLESCH	POLJUN	POLSTR	PTICC	PTIPUL	SPHFUS	SPHNEM	SPHWAR	TOMNIT	CETPIN	CLACEN	CLACHL
	9M	0.0	0.0	0.0	0.0	35.000	20.000	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	.010
	9L	0.0	0.0	0.0	0.0	45.000	30.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.010
Mean		.00400	0	2.4004	1.3200	21.834	46.830	.00480	0	.04400	.09840	.16000	.48000	0	0	.00800	0	.00720
[illegible]																		
	1B	0.0	0.0	0.0	0.0	1.000	70.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1D	0.0	0.0	0.0	0.0	0.0	75.000	0.0	0.0	0.0	0.0	0.0	0.0	7.000	0.0	.010	0.0	0.0
	1F	0.0	0.0	0.0	2.000	0.0	60.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	1M	0.0	0.0	0.0	2.000	3.000	57.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	30.000	55.000	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	.010	0.0	0.0
	3L	0.0	0.0	0.0	0.0	46.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	3M	0.0	0.0	0.0	0.0	60.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	1.000	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3D	0.0	0.0	0.0	0.0	20.000	55.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	4.000	40.000	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	1.000	1.000	75.000	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	5D	0.0	0.0	0.0	0.0	10.000	65.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.010
	5F	0.0	0.0	0.0	0.0	40.000	35.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5M	0.0	0.0	0.0	0.0	25.000	30.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	70.000	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	30.000	0.0	3.0	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7M	0.0	0.0	0.0	0.0	35.000	45.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	15.000	0.0	50.000	25.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7D	0.0	0.0	0.0	10.000	2.000	55.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	0.0	65.000	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	1.300	.100	30.000	.010	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	.100
	9D	0.0	0.0	0.0	0.0	10.000	75.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	20.000	60.000	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	20.000	25.000	0.0	0.0	0.0	.900	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	25.000	15.000	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	.010
Mean		0	0	1.8000	.80000	20.124	44.686	.00040	0	.00480	.05200	.20000	0	.08000	0	.00080	0	.00560

TRANSPACE REQUIRED 400 BYTES
5 TRANSFORMATIONS
5 RECODE VALUES + LAG VARIABLES
41 IF/COMPUTE OPERATIONS

CPU TIME REQUIRED 0.34 SECONDS

```
44 REPORT        FORMAT = NOSPACE(1) BRKSPACE(0) FTSPACE(0) LIST
45               VARIABLES = PLOTNO 'Plot' (1) CLACOC TO CLACON (6)
46               HEAD = 'SEADYN Project Hondo-Slave Lake Stand 5'
47               'Monthly Survey of Bryophyte and Lichen Community'
48               'Species Cover % Values By [illegible] m Plots'
49               BREAK = SUBFILE 'Date' (4)
50               SUMMARY = MEAN 'Mean'
```

REPORT REQUIRES 2736 BYTES FOR THIS TASK

SEADYN Project. Hondo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community,
Species Cover % Values by 2x 2 m Plots

Date	Plot	CLACOC	CLACOR	CLACHY	CLAGRA	CLAMIT	CLAMUL	CLASTE	CLAVER	ICMERI	PELAPH	PELCAN	PELMAL	PELPOL	PELPUL	PELRUF	CLACON
MAY11																	
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	7.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	0.0	4.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	5M	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	.100	0.0	0.0
	7M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	.010	0.0	.010	5.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	.00040	0	.00040	1.3200	.04400	0	0	0	.84400	0	0	0	.12400	0	0
JUN22																	
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	.010	0.0	1.000	5.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	5M	0.0	0.0	0.0	0.0	10.000	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0
	7M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	.010	4.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	.00040	0	.04040	1.4440	0	0	0	0	.60400	0	0	0	.08000	0	0
JUL28																	
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	3F	0.0	0.0	0.0	0.0	.010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	.010	0.0	0.0	4.000	1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	5M	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0	0.0	.010	0.0
	7M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	.100	0.0	.100	5.000	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean		0	.00440	0	.00400	1.644	.04000	0	0	0	.44400	0	0	0	.08000	.00040	0
AUG29																	
	1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1F	0.0	0.0	0.0	0.0	8.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	0.0
	3F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3C	0.0	0.0	0.0	0.0	3.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3B	0.0	0.0	0.0	.100	4.000	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5B	0.0	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.000	0.0	0.0	0.0	0.0	0.0	0.0
	5F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0
	5M	0.0	0.0	0.0	0.0	12.000	0.0	0.0	0.0	0.0	4.000	0.0	0.0	0.0	0.0	0.0	0.0
	5L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	0.0	.010	0.0	0.0	0.0
	7M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	0.0	0.0	0.0	0.0	0.0
	7F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7C	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	7B	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9B	0.0	0.0	0.0	0.0	4.000	.010	0.0	0.0	0.0	.100	0.0	0.0	0.0	0.0	0.0	0.0
	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	9F	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SEADYN Project Mongo-Slave Lake Stand 4
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values By ... m Plots

Date	Plot	CLADEC	CLACOR	CLACRT	CLAGRA	CLAMIT	CLAMUL	CLASTE	CLAVER	ICMERI	PELAPH	PELCAN	PELMAL	PELPOL	PELPUL	PELRUF	CLACOR
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SEADYN Project Mendo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables By 7m ? m Plots

Date	Plot	BRYOPHCV	BRYOPHSP	LICHENCV	LICHENSP	TOTALCV	TOTALSP
MA11							
	1B	75.100	2	0.0	0	75.100	2
	1D	83.000	2	0.0	0	83.000	2
	1F	79.100	3	7.100	2	86.200	5
	1H	72.000	3	.010	1	72.010	4
	1J	85.000	3	.010	1	85.010	4
	3J	75.000	2	0.0	0	75.000	2
	3H	95.000	2	2.000	1	97.000	3
	3F	5.000	2	0.0	0	5.000	2
	3D	95.000	2	3.000	1	98.000	3
	3B	73.000	3	5.000	2	78.000	5
	5B	87.000	4	.100	1	87.100	5
	5D	70.010	3	8.000	1	78.010	4
	5F	75.000	2	1.000	1	76.000	3
	5H	75.000	2	14.000	2	89.000	4
	5J	87.000	3	0.0	0	87.000	3
	7J	65.000	2	1.100	2	66.100	4
	7H	80.000	2	3.000	1	83.000	3
	7F	95.000	3	0.0	0	95.000	3
	7D	92.100	5	1.010	2	93.110	7
	7B	87.100	3	2.000	1	89.100	4
	9B	43.310	7	6.130	6	49.440	13
	9D	95.000	2	.010	1	95.010	3
	9F	95.100	3	2.000	1	97.100	4
	9H	46.000	3	.010	1	46.010	4
	9J	55.000	2	.100	1	55.100	3
Mean		76.23280	2.80	2.22220	1.16	78.45599	3.96
JN22							
	1B	85.000	2	0.0	0	85.000	2
	1D	95.000	2	.100	1	95.100	3
	1F	65.000	3	10.000	1	75.000	4
	1H	72.000	3	.010	1	72.010	4
	1J	80.100	3	0.0	0	80.100	3
	3J	80.000	2	0.0	0	80.000	2
	3H	95.000	2	1.000	1	96.000	3
	3F	9.000	2	0.0	0	9.000	2
	3D	90.000	2	2.000	1	92.000	3
	3B	65.000	3	6.010	3	71.010	6
	5B	97.000	4	.100	1	97.100	5
	5D	80.000	2	7.000	1	87.000	3
	5F	85.000	2	.010	2	86.010	4
	5H	81.000	3	14.000	1	79.000	4
	5J	95.000	2	0.0	0	95.000	2
	7J	70.100	3	.000	1	71.100	4
	7H	90.000	3	3.000	1	93.000	3
	7F	95.000	3	0.0	0	95.000	3
	7D	85.200	5	1.100	1	86.300	4
	7B	88.100	3	2.000	1	90.100	4
	9B	33.210	6	4.210	4	38.420	10
	9D	90.000	2	.010	1	90.010	3
	9F	85.100	3	2.000	1	87.100	4
	9H	86.000	3	.010	1	86.010	4
	9J	80.100	2	0.0	0	80.100	2
Mean		75.71840	2.76	2.18240	.84	77.89879	3.80
JL28							
	1B	85.000	2	.010	1	85.010	3
	1D	90.000	2	0.0	0	90.000	2
	1F	83.100	3	8.010	2	91.110	5
	1H	82.010	4	0.0	0	82.010	4
	1J	90.000	2	0.0	0	90.000	2
	3J	75.010	3	.010	1	75.020	4
	3H	95.000	2	.000	1	95.000	3
	3F	4.000	2	.020	2	4.020	4
	3D	90.000	2	2.000	1	92.000	3
	3B	85.010	4	5.010	3	90.020	7
	5B	85.000	4	.100	1	85.100	5
	5D	85.010	3	3.010	2	88.020	5
	5F	90.000	2	1.000	1	91.000	3
	5H	75.000	2	11.000	2	86.000	4
	5J	95.000	3	0.0	0	95.000	3
	7J	80.000	2	1.010	2	81.010	4
	7H	70.000	2	3.000	2	73.000	4
	7F	90.000	3	0.0	0	90.000	3
	7D	85.000	4	.100	1	85.100	5
	7B	87.010	4	.000	1	87.010	5
	9B	37.210	5	5.400	5	42.610	10
	9D	90.000	2	0.0	0	90.000	2
	9F	90.010	3	1.000	1	91.010	4
	9H	46.000	3	.010	1	46.010	4
	9J	55.000	3	.100	1	55.100	4
Mean		75.41880	2.84	1.75160	1.24	77.17039	4.08
AU25							
	1B	70.000	2	.020	2	70.020	4
	1D	90.000	2	.100	1	90.100	3
	1F	77.100	3	8.000	1	85.100	4
	1H	87.100	4	.010	1	87.110	5
	1J	88.000	3	.010	1	88.010	4
	3J	70.010	3	0.0	0	70.010	3
	3H	85.000	2	1.000	1	86.000	3
	3F	11.000	2	.010	1	11.010	3
	3D	80.000	2	3.000	1	83.000	3
	3B	71.010	4	4.200	3	75.210	7
	5B	80.000	4	.110	2	80.110	6
	5D	80.200	4	5.000	1	85.200	5
	5F	80.000	2	1.010	2	81.010	4
	5H	85.000	3	15.000	2	81.000	4
	5J	85.000	2	0.0	0	85.000	2
	7J	85.000	3	1.010	2	86.010	4
	7H	78.010	3	2.010	2	77.020	5
	7F	80.000	3	.010	1	80.010	4
	7D	87.000	4	1.010	2	88.010	6
	7B	81.010	3	1.000	1	82.010	4
	9B	42.210	5	6.210	4	46.420	9
	9D	83.000	2	.010	1	83.010	3
	9F	80.100	3	1.000	1	81.100	4

[illegible] Project [illegible]
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover & Species Richness Variables by [illegible] Plots

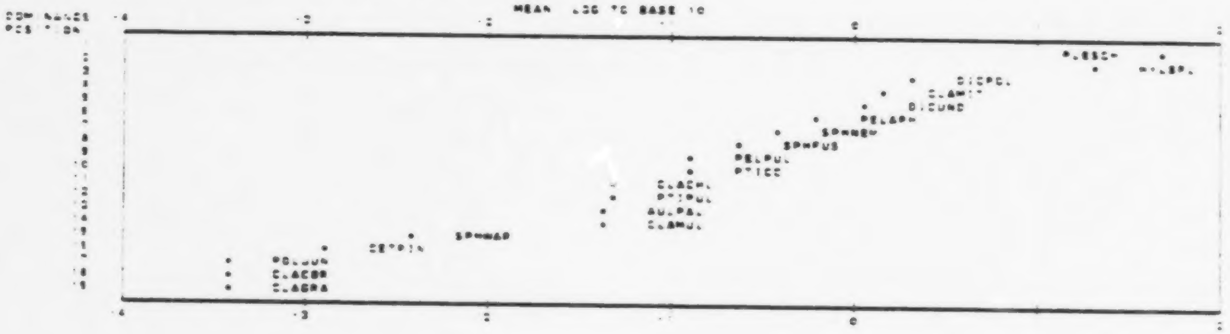
Date	Plot	BRYOPHCV	BRYOPHRR	LICHENCV	LICHENRR	TOTALCV	TOTALRR
	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mean		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Hondo-Slave Lake Stand 8, 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE 1
Descriptive Statistics for Each Species Variable and the Stand
FILE S8E28 5 (CREATION DATE = 04/16/83) Stand 8 (128), Old Black Spruce: 1982 Bryoid Cover Data : 7x 7m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	8.000	0.04480	0.20017	0.04003	0.90845	0.0	1.00000
Bryum pseudotriquetrum	BRYPSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	8.000	2.00000	7.07107	1.41421	0.70711	0.0	30.00000
Dicranum undulatum	DICUND	25	24.000	1.04000	2.58270	0.51654	0.47791	0.0	10.00000
Hylocomium splendens	HYLSPL	25	92.000	21.77600	22.09504	4.61902	0.21211	0.0	85.00000
Pleurozium schreberi	PLESCH	25	100.000	50.56000	26.18696	5.22735	0.10358	4.00000	85.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum strictum	POLSTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	8.000	0.12000	0.43970	0.08794	0.73283	0.0	2.00000
Ptilidium pulcherrimum	PTIPUL	25	16.000	0.04840	0.20015	0.04003	0.82711	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	8.000	0.24000	0.87938	0.17588	0.73283	0.0	4.00000
Sphagnum nemoreum	SPHNEM	25	8.000	0.36000	1.60416	0.33063	0.89120	0.0	6.00000
Sphagnum warnstorfii	SPHWAR	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	24.000	0.04920	0.19998	0.04000	0.81282	0.0	1.00000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cristatella	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladina mitis	CLAMIT	25	32.000	1.36000	2.59115	0.51823	0.38179	0.0	10.00000
Cladonia multiformis	CLAMUL	25	8.000	0.04400	0.20017	0.04003	0.90981	0.0	1.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	20.000	0.64400	1.82165	0.36433	0.56573	0.0	6.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	12.000	0.12400	0.43801	0.08760	0.70601	0.0	2.00000
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 19 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.4936
SHANNON-WEAVER INDEX OF DIVERSITY (H) = 0.9821 NATURAL LOGARITHMS

19 OF THE 33 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 76.4860

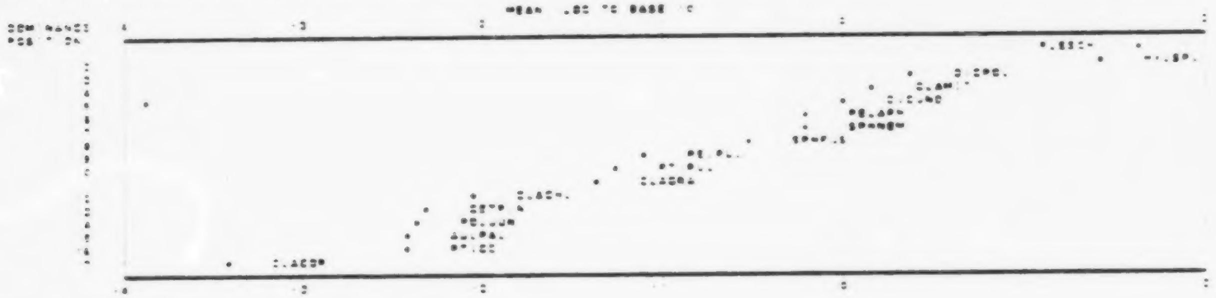


Mondo-Slave Lake Stand 6 1982 Bryoid Comm. Monthly Survey 04/16/83 PAGE [illegible]
Descriptive Statistics for Each Species Variable and the Stand
FILE [illegible] (CREATION DATE = 04/16/83) Stand 6 128 y old Black Spruce 1982 Bryoid Cover Data [illegible]
SUBFILE [illegible]

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Bryum pseudotriquetrum	BRYPSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	8.000	1.20000	[illegible]	[illegible]	[illegible]	0.0	38.00000
Dicranum undulatum	DICUND	25	24.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	10.00000
Hylocomium splendens	HYLSPL	25	88.000	26.52000	[illegible]	[illegible]	[illegible]	0.0	85.00000
Pleurozium schreberi	PLESCH	25	100.000	45.60000	22.26422	4.45284	[illegible]	1.00000	85.00000
Polytrichum juniperinum	POLJUN	25	8.000	0.00440	0.02002	0.00400	[illegible]	0.0	0.10000
Polytrichum strictum	POLSTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	4.000	0.00400	0.02000	0.00400	5.00000	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	16.000	0.05200	0.20025	0.04005	0.77015	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	12.000	0.28400	0.97881	0.19576	0.68930	0.0	4.00000
Sphagnum nemoreum	SPHNEM	25	4.000	0.60000	3.00000	0.60000	1.00000	0.0	15.00000
Sphagnum warnstorfii	SPHWAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	16.000	0.00680	0.02751	0.00552	0.82808	0.0	0.10000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cristatella	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	8.000	0.04040	[illegible]	0.03999	0.98974	0.0	1.00000
Cladina mitis	CLAMIT	25	36.000	[illegible]	2.90030	0.58006	[illegible]	0.0	10.00000
Cladonia multiformis	CLAMUL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	20.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	8.000	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON [illegible] POSITIVE MEANS, SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.4[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY (H') = [illegible] NATURAL LOGARITHMS

[illegible] OF THE 33 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]

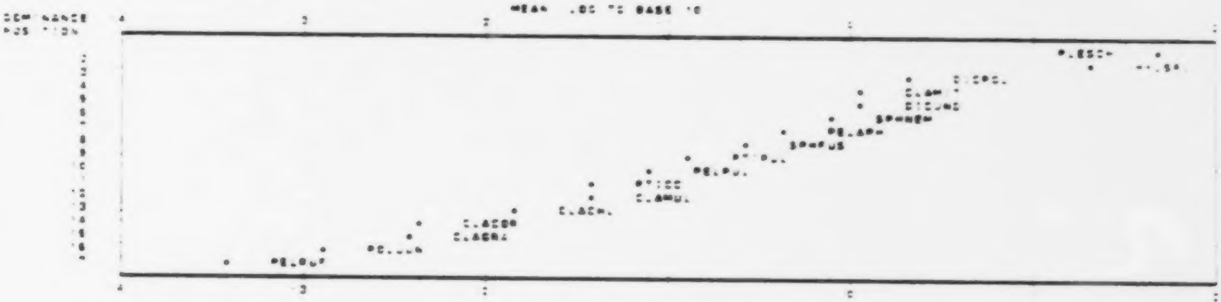


HONDO-SLAVE LAKE STAND 8 1982 BRYOID COMM. MONTHLY SURVEY 04/18/83 PAGE 8
DESCRIPTIVE STATISTICS FOR EACH SPECIES VARIABLE AND THE STAND
FILE S6820 S CREATION DATE = 04/18/83 STAND 8 128 y old Black Spruce 1982 Bryoid Cover Data
SUBFILE JUL28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bryum pseudotriquetrum	BRYPSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	8.000	2.00000	6.92219	1.38444	0.69222	0.0	25.00000
Dicranum undulatum	DICUND	25	24.000	1.12000	2.57099	0.51420	0.45911	0.0	10.00000
Hylocomium splendens	HYLSPL	25	52.000	21.53200	22.56258	4.51252	0.20976	0.0	80.00000
Pleurozium schreberi	PLESCH	25	100.000	49.52000	24.55166	4.91033	0.10091	2.00000	85.00000
Polytrichum juniperinum	POLJUN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Polytrichum strictum	POLSTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Ptilidium pulcherrimum	PTIPUL	25	32.000	0.12560	0.23615	0.04663	0.52572	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	8.000	0.28000	1.08141	0.21228	0.75818	0.0	5.00000
Sphagnum nemoreum	SPHNEM	25	4.000	0.80000	4.00000	0.80000	1.00000	0.0	20.00000
Sphagnum warnstorfii	SPHWAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	36.000	0.01440	0.03256	0.00651	0.45194	0.0	0.10000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	8.000	0.03640	0.07002	0.00400	0.90961	0.0	0.10000
Cladonia cristatella	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina mitis	CLAMIT	25	40.000	1.84400	2.30140	0.46028	0.25821	0.0	8.00000
Cladonia multiformis	CLAMUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	20.000	0.44400	1.11955	0.22391	0.50430	0.0	4.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	8.000	0.08000	0.27689	0.05538	0.69222	0.0	1.00000
Peltigera rufescens	PELRUF	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000

BASED ON 17 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY H' = [illegible] NATURAL LOGARITHMS

17 OF THE 33 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO [illegible]

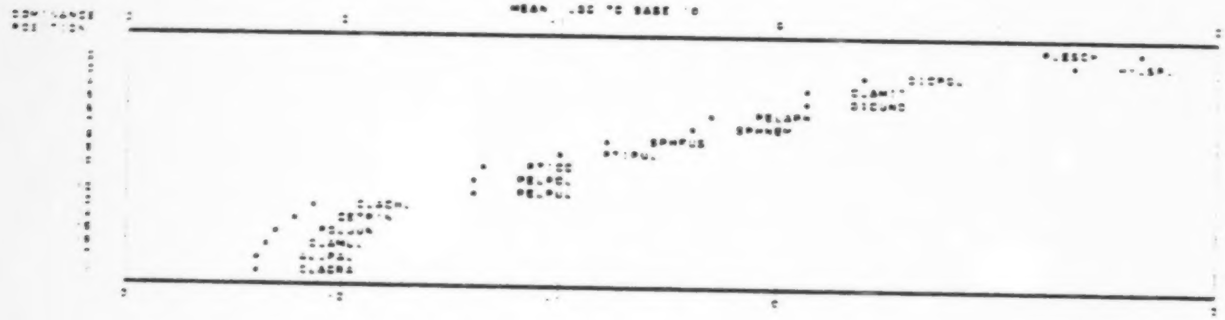


Hondo-Slave Lake Stand 6 1982 Bryoid Comm Monthly Survey   04/15/83   PAGE 5
Descriptive Statistics for Each Species Variable and the Stand
FILE 56820 5 CREATION DATE = 04/ 6/83 Stand 6 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE AU25

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	4.000	0.00400	0.02000	0.00400	5.00000	0.0	0.10000
Bryum pseudotriquetrum	BRYPSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	12.000	2.40040	8.43097	1.68619	0.70341	0.0	35.00000
Dicranum undulatum	DICUND	25	24.000	1.32000	4.11618	0.82202	0.62271	0.0	20.00000
Hylocomium splendens	HYLSPL	25	84.000	21.52400	21.74897	4.34919	0.20184	0.0	60.00000
Pleurozium schreberi	PLESCH	25	100.000	46.52000	23.44421	4.68845	0.10091	5.00000	80.00000
Polytrichum juniperinum	POLJUN	25	12.000	0.00480	0.02002	0.00400	0.83427	0.0	0.10000
Polytrichum strictum	POLSTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICC	25	8.000	0.04400	0.20017	0.04003	0.90945	0.0	1.00000
Ptilidium pulcherrimum	PTIPUL	25	32.000	0.08880	0.27421	0.05485	0.61675	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	8.000	0.18000	0.62450	0.12490	0.76062	0.0	2.00000
Sphagnum nemoreum	SPHNEM	25	4.000	0.40000	2.00000	0.40000	1.00000	0.0	10.00000
Sphagnum warnstorfii	SPHWAR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	24.000	0.00800	0.02000	0.00400	0.58817	0.0	0.10000
Cladonia cenotea	CLACEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	36.000	0.00720	0.01980	0.00396	0.55277	0.0	0.10000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornucopioides	CLACOM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia cornuta	CLACOR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia crispata	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	4.000	0.00400	0.02000	0.00400	5.00000	0.0	0.10000
Cladina mitis	CLAMIT	25	36.000	1.28400	2.92818	0.58522	0.42906	0.0	12.00000
Cladonia multiformis	CLAMUL	25	8.000	0.00440	0.02002	0.00400	0.90945	0.0	0.10000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cnemidaspis?	CNEMER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	20.000	0.46400	1.29347	0.25869	0.55449	0.0	5.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	8.000	0.04040	0.19912	0.03999	0.98876	0.0	1.00000
Peltigera pulverulenta	PELPUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera rufescens	PELRUF	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BASED ON 6 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION = 0.3[illegible]
SHANNON-WEAVER INDEX OF DIVERSITY = 1.3064 NATURAL LOGARITHMS

18 OF THE 33 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 74.8340

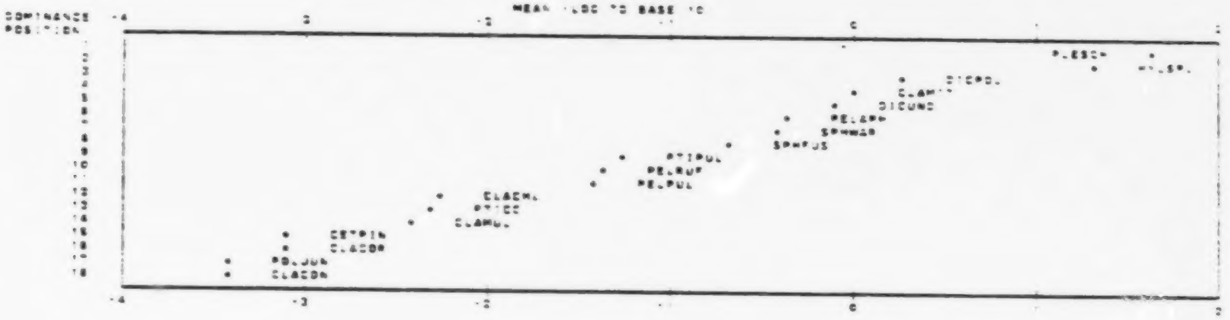


Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/15/83 PAGE 10
Descriptive Statistics for Each Species Variable and the Stand
FILE 88828 5 (CREATION DATE = 04/15/83) Stand 8 (128 y old Black Spruce) 1982 Bryoid Cover Data [illegible]
SUBFILE 0C10

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bryum pseudotriquetrum	BRYPSE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicranum polysetum	DICPOL	25	4.000	1.80000	6.59545	1.31909	0.73283	0.0	30.00000
Dicranum undulatum	DICUND	25	24.000	0.80000	2.14087	0.42817	0.53522	0.0	10.00000
Hylocomium splendens	HYLSPL	25	84.000	20.12400	20.88323	4.17665	0.20755	0.0	70.00000
Pleurozium schreberi	PLESCH	25	100.000	44.88000	22.28831	4.45766	0.09964	7.00000	85.00000
Polytrichum juniperinum	POLJUN	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Polytrichum strictum	POLSTR	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ptilium crista-castrensis	PTICRI	25	12.000	0.00480	0.02002	0.00400	0.83437	0.0	0.10000
Ptilidium pulcherrimum	PTIPUL	25	16.000	0.05200	0.20025	0.04005	0.77019	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	8.000	0.20000	0.70711	0.14142	0.70711	0.0	3.00000
Sphagnum nemoreum	SPHNEM	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sphagnum warnstorfii	SPHWAR	25	8.000	0.36000	1.43991	0.28798	0.79995	0.0	7.00000
Tomenthypnum nitens	TOMNIT	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cetraria pinastri	CETPIN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia cenotea	CLAGEN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia chlorophaea	CLACHL	25	20.000	0.00560	0.02002	0.00400	0.71488	0.0	0.10000
Cladonia coccifera	CLACOC	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia coniocraea	CLACON	25	4.000	0.00040	0.00200	0.00040	1.00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia cristatella	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladina mitis	CLAMIT	25	40.000	1.00800	2.28782	0.45756	0.45393	0.0	10.00000
Cladonia multiformis	CLAMUL	25	4.000	0.00400	0.02000	0.00400	1.00000	0.0	0.10000
Cladina stellaris	CLASTE	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia verticillata	CLAVER	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Icmadophila ericetorum	ICMERI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera aphthosa	PELAPH	25	16.000	0.40400	1.44236	0.28847	0.71404	0.0	7.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera polydactyla	PELPOL	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera pulverulenta	PELPUL	25	4.000	0.04000	0.20000	0.04000	1.00000	0.0	1.00000
Peltigera rufescens	PELRUF	25	8.000	0.04040	0.19992	0.03998	0.98974	0.0	1.00000

BASED ON 18 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION C = 0.4579
SHANNON-WEAVER INDEX OF DIVERSITY H' = 0.9404 NATURAL LOGARITHMS

18 OF THE 33 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 69.7252



Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 12
Statistics for Synthetic Cover and Species Richness Variables
FILE S8828.S (CREATION DATE = 04/18/83) Stand 8 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE MAY

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	75.22280	21.21587	4.24319	0.05565	5.00000	97.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	2.60000	1.15470	0.23094	0.08248	2.00000	7.00000
Mean Lichen Cover	LICHENCV	25	76.000	2.22220	3.43191	0.68638	0.30874	0.0	14.00000
Mean Lichen Species Richness	LICHENRP	25	76.000	1.16000	1.21381	0.24276	0.20928	0.0	5.00000
Mean Cover of All Species	TOTALCV	25	100.000	78.65599	21.29968	4.25990	0.05436	5.00000	98.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.96000	2.20788	0.44158	0.11149	2.00000	12.00000

Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 13
Statistics for Synthetic Cover and Species Richness Variables
FILE S8828.S (CREATION DATE = 04/18/83) Stand 8 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE JUN22

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	75.71640	21.05720	4.21344	0.05565	5.00000	97.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	2.76000	1.01160	0.20233	0.07330	2.00000	5.00000
Mean Lichen Cover	LICHENCV	25	72.000	2.18240	3.56501	0.71300	0.32671	0.0	14.00000
Mean Lichen Species Richness	LICHENRP	25	72.000	1.04000	0.97861	0.19562	0.18809	0.0	4.00000
Mean Cover of All Species	TOTALCV	25	100.000	77.89879	20.78873	4.15774	0.05337	5.00000	97.99999
Mean Richness of All Species	TOTALRP	25	100.000	3.80000	1.75534	0.35119	0.09242	2.00000	10.00000

Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 14
Statistics for Synthetic Cover and Species Richness Variables
FILE S8828.S (CREATION DATE = 04/18/83) Stand 8 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE JUL28

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	75.41880	21.78149	4.35630	0.05776	4.00000	96.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	3.44000	0.88815	0.17963	0.05221	2.00000	5.00000
Mean Lichen Cover	LICHENCV	25	76.000	1.75160	2.42126	0.48425	0.27614	0.0	7.00000
Mean Lichen Species Richness	LICHENRP	25	76.000	1.24000	1.12642	0.22554	0.18200	0.0	5.00000
Mean Cover of All Species	TOTALCV	25	100.000	77.17028	21.65281	4.33056	0.05612	4.02000	96.00000
Mean Richness of All Species	TOTALRP	25	100.000	4.36000	1.73012	0.34603	0.07448	2.00000	10.00000

Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 15
Statistics for Synthetic Cover and Species Richness Variables
FILE S8828.S (CREATION DATE = 04/18/83) Stand 8 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE AUG25

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	72.37400	16.70206	3.34041	0.04615	[illegible]	90.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	2.38000	0.88129	0.17625	0.[illegible]	2.00000	5.00000
Mean Lichen Cover	LICHENCV	25	92.000	1.85000	2.66516	0.71330	0.38520	0.0	5.00000
Mean Lichen Species Richness	LICHENRP	25	92.000	1.80000	1.28602	0.[illegible]	0.[illegible]	0.0	6.00000
Mean Cover of All Species	TOTALCV	25	100.000	74.82289	16.77258	3.35452	0.04482	[illegible]	90.99999
Mean Richness of All Species	TOTALRP	25	100.000	4.28000	1.4368	0.29722	0.06947	2.00000	[illegible]

Hondo-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/18/83 PAGE 16
Statistics for Synthetic Cover and Species Richness Variables
FILE S8828.S (CREATION DATE = 04/18/83) Stand 8 128 y old Black Spruce 1982 Bryoid Cover Data 7x 7m
SUBFILE OCT0

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR /MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	66.32120	[illegible]	3.[illegible]	0.05782	6.00000	93.00000
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	2.84000	0.88023	0.17605	0.06199	2.00000	5.00000
Mean Lichen Cover	LICHENCV	25	80.000	1.80400	2.82646	0.56528	0.27945	0.0	13.00000
Mean Lichen Species Richness	LICHENRP	25	80.000	[illegible]	0.82257	0.16452	0.1889	0.0	3.00000
Mean Cover of All Species	TOTALCV	25	100.000	68.125	14.44488	2.88892	0.03894	6.0000	91.00000
Mean Richness of All Species	TOTALRP	25	100.000	3.76000	1.30000	0.26000	0.06915	2.00000	6.00000

SEADYN Project. Hondo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	AULPAL	BRYPSE	DICPOL	DICUND	HYLSPL	PLESCH	POLJUN	POLSTR	PTICIL	PTIPUL	SPHFUS	SPHNEM	SPHWAR	TOMNIT	CETPIN	CLACEN
AU16																	
	0A	0 0	0 0	010	0 0	5 000	75 000	0 0	0 0	2 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	0C	0 0	0 0	0 0	0 0	20 000	60 000	0 0	0 0	0 0	0 0	0 0	1 000	100	0 0	0 0	0 0
	0E	0 0	010	0 0	010	5 000	80 000	0 0	0 0	0 0	0 0	2 000	2 000	0 0	0 0	010	0 0
	0G	0 0	0 0	0 0	100	5 000	60 000	0 0	0 0	0 0	010	1 000	0 0	2 000	0 0	010	0 0
	0I	0 0	0 0	0 0	0 0	8 000	55 000	0 0	0 0	0 0	100	1 000	0 0	2 000	0 0	010	0 0
	2I	0 0	0 0	010	0 0	70 000	20 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	010	0 0
	2C	0 0	0 0	100	100	15 000	50 000	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	010	0 0
	2E	0 0	0 0	1 000	100	35 000	45 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	010	0 0
	2G	0 0	0 0	0 0	1 000	20 000	65 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	010	010
	2A	0 0	0 0	1 000	0 0	40 000	40 000	0 0	0 0	0 0	100	0 0	2 000	0 0	0 0	0 0	0 0
	4A	0 0	0 0	0 0	100	10 000	70 000	0 0	0 0	0 0	100	100	0 0	0 0	0 0	010	0 0
	4C	1 000	0 0	100	1 000	15 000	60 000	010	0 0	010	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	4E	0 0	0 0	010	2 000	25 000	25 000	0 0	0 0	0 0	1 000	0 0	0 0	100	0 0	010	010
	4G	0 0	0 0	1 000	010	40 000	45 000	0 0	0 0	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	4I	010	0 0	2 000	0 0	40 000	45 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0
	6I	0 0	0 0	1 000	0 0	30 000	50 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	010	0 0
	6G	0 0	0 0	1 000	0 0	55 000	30 000	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	010	0 0
	6E	0 0	0 0	100	100	50 000	35 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	0 0
	6C	0 0	0 0	0 0	100	10 000	70 000	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	0 0
	6A	2 000	0 0	0 0	100	10 000	80 000	010	100	0 0	0 0	3 000	0 0	1 000	100	010	0 0
	8A	100	0 0	0 0	100	30 000	50 000	0 0	100	0 0	0 0	5 000	0 0	0 0	100	010	0 0
	8C	0 0	0 0	0 0	100	15 000	60 000	010	010	0 0	100	1 000	0 0	0 0	0 0	0 0	0 0
	8E	010	0 0	0 0	1 000	30 000	20 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8G	0 0	0 0	0 0	0 0	15 000	60 000	0 0	0 0	1 000	010	0 0	0 0	0 0	0 0	0 0	0 0
	8I	0 0	0 0	0 0	010	25 000	60 000	0 0	010	0 0	010	010	0 0	0 0	0 0	0 0	0 0
Mean		12480	00040	29320	23720	24 920	51 600	00120	00880	16040	11180	58440	20000	20800	00800	00520	00080

```
TRANSPACE REQUIRED          600 BYTES
      8 TRANSFORMATIONS
      8 RECODE VALUES + LAG VARIABLES
     40 IF COMPUTE OPERATIONS

CPU TIME REQUIRED       0 14 SECONDS


                 43 REPORT          FORMAT = HDSPACE(1) BRKSPACE(0) FTSPACE(0) LIST  /
                 44                 VARIABLES = PLOTNO'Plot' (4) CLACHL TO PELRUF (6)  /
                 45                 HEAD = 'SEADYN Project. Hondo-Slave Lake  Stand 8'
                 46                 'Monthly Survey of Bryophyte and Lichen Community'
                 47                 'Species Cover % Values by 5x5 m Plots' /
                 48                 BREAK = SUBFILE 'Date' (4)
                 49                 SUMMARY = MEAN 'Mean'

REPORT REQUIRES      2736 BYTES FOR THIS TASK
```

SEADYN Project Hondo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Species Cover % Values by 5x5 m Plots

Date	Plot	CLACHL	CLACOC	CLACOR	CLACRP	CLAGRA	CLAMIT	CLAMUL	CLASTE	CLAVER	ICMERI	PELAPH	PELCAN	PELMAL	PELPOL	PELPUL	PELRUF
Aug 8																	
	0A	010	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0
	0C	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	010	0 0	0 0	100	010	0 0
	0E	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	0 0	010
	0G	010	0 0	010	0 0	0 0	5 000	010	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	0I	010	0 0	010	0 0	010	5 000	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	2I	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	2G	0 0	0 0	010	0 0	010	4 000	010	0 0	0 0	0 0	4 000	0 0	010	0 0	0 0	0 0
	2E	010	0 0	010	0 0	0 0	5 000	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	010	0 0
	2C	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	100	0 0	0 0	100	0 0	0 0
	2A	010	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	100	1 000
	4A	0 0	0 0	0 0	0 0	0 0	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	4C	010	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	2 000	0 0	010	0 0	0 0	0 0
	4E	100	010	010	0 0	0 0	10 000	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	0 0
	4G	0 0	0 0	0 0	0 0	0 0	2 000	010	010	0 0	0 0	100	0 0	0 0	0 0	100	0 0
	4I	010	0 0	0 0	0 0	0 0	2 000	010	0 0	0 0	0 0	100	0 0	0 0	0 0	1 000	0 0
	6I	010	0 0	0 0	0 0	0 0	3 000	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0
	6G	010	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 000	0 0	010	0 0	0 0	0 0
	6E	010	0 0	010	0 0	010	4 000	010	0 0	0 0	0 0	1 000	0 0	0 0	0 0	010	0 0
	6C	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	010
	6A	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8A	0 0	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	0 0
	8C	010	0 0	0 0	0 0	0 0	1 000	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
	8E	010	0 0	010	0 0	0 0	2 000	0 0	0 0	0 0	0 0	000	0 0	0 0	100	0 0	0 0
	8G	0 0	0 0	0 0	0 0	0 0	100	0 0	0 0	0 0	0 0	2 000	0 0	0 0	0 0	0 0	100
	8I	010	0 0	0 0	0 0	0 0	010	0 0	0 0	010	0 0	0 0	0 0	0 0	010	0 0	0 0
Mean		01000	00040	00280	0	00120	2 2126	00200	00040	00040	00040	82480	0	00120	01240	04820	04480

SEADYN Project Hondo-Slave Lake Stand 8
Monthly Survey of Bryophyte and Lichen Community
Synthetic Cover and Species Richness Variables by 5x5 m Plots

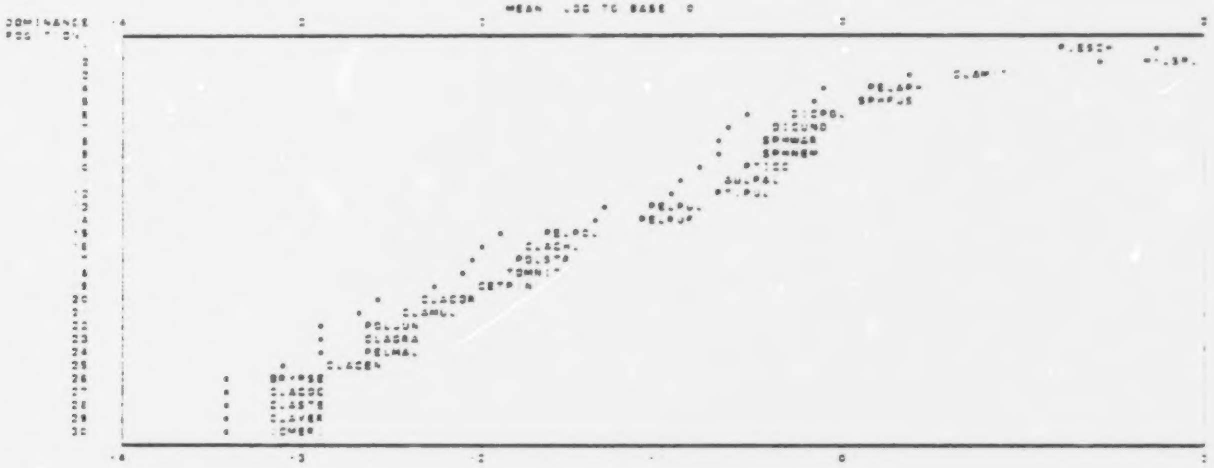
Date	Plot	BRYOPHCV	BRYOPHRP	LICHENCV	LICHENRP	TOTALCV	TOTALRP
AU18							
	0A	82.020	5	.030	3	82.050	8
	0B	81.100	4	.220	4	81.320	8
	0E	89.020	6	1.040	5	90.060	11
	0C	68.110	6	5.140	6	73.250	12
	0D	66.100	5	5.140	6	71.240	11
	2D	90.020	4	1.020	3	91.040	7
	2B	66.200	5	12.050	7	78.250	12
	2E	81.200	5	6.040	6	87.240	11
	2C	86.010	4	1.230	6	87.240	10
	2A	83.100	5	2.210	5	85.310	10
	4A	80.300	5	1.020	3	81.320	8
	4C	78.120	8	5.020	4	83.140	12
	4E	53.110	6	12.140	7	65.250	13
	4B	87.020	6	2.220	5	89.240	11
	4D	87.020	5	3.120	5	90.160	10
	6D	81.100	4	4.020	4	85.120	8
	6C	86.100	4	2.030	4	88.130	8
	6E	85.210	5	5.050	7	90.260	12
	6B	83.100	4	2.010	3	85.110	7
	6A	76.310	9	1.010	2	77.320	11
	8A	85.400	7	1.110	3	86.510	10
	8C	76.220	7	1.010	2	77.230	9
	8E	51.010	4	3.120	5	54.130	9
	8B	76.010	4	2.200	3	78.210	7
	8D	85.040	6	.040	4	85.080	10
Mean		78.55789	5.32	3.16960	4.48	81.72754	9.80

Hondo-Slave Lake Stand 8 1982 Ground Cover Monthly Survey   04/15/83   PAGE 6
Descriptive Statistics for Each Species for Plots and the Stand
FILE 5882825 CREATION DATE = 04/15/83 Stand 8 (28 y old Black Spruce) 1982 Ground Cover Data Sub...
SUBFILE AUG

LABEL	VARIABLE	N	FREQ %	MEAN	STD DEV	STD ERR	STD ERR / MEAN	MINIMUM	MAXIMUM
Aulacomnium palustre	AULPAL	25	20.000	0.12480	0.43879	0.08776	0.70314	0.0	2.00000
Bryum pseudotriquetrum	BRYPSE	25	4.000	0.00040	0.00200	0.00040	00000	0.0	0.01000
Dicranum polysetum	DICPOL	25	48.000	0.29220	0.53546	0.10709	0.36525	0.0	2.00000
Dicranum undulatum	DICUND	25	44.000	0.22720	0.48884	0.09777	0.43032	0.0	2.00000
Hylocomium splendens	HYLSPL	25	100.000	24.82000	7.28513	1.45703	0.05870	8.00000	35.00000
Pleurozium schreberi	PLESCH	25	100.000	51.60000	18.27586	3.65517	0.07084	26.00000	80.00000
Polytrichum juniperinum	POLJUN	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Polytrichum strictum	POLSTR	25	16.000	0.00440	0.02750	0.00550	0.62500	0.0	0.13000
Ptilium crista-castrensis	PTICRC	25	16.000	0.18040	0.47244	0.09449	0.58908	0.0	2.00000
Ptilidium pulcherrimum	PTIPUL	25	72.000	0.11160	0.27077	0.05415	0.48524	0.0	1.00000
Sphagnum fuscum	SPHFUS	25	48.000	0.64440	1.37965	0.27593	0.37395	0.0	5.00000
Sphagnum nemoreum	SPHNEM	25	12.000	0.20000	0.57735	0.11547	0.57735	0.0	2.00000
Sphagnum warnstorfii	SPHWAR	25	20.000	0.20400	0.57512	0.11502	0.56300	0.0	2.00000
Tomenthypnum nitens	TOMNIT	25	8.000	0.00800	0.02769	0.00554	0.69222	0.0	0.10000
Cetraria pinastri	CETPIN	25	52.000	0.00520	0.00510	0.00102	0.19612	0.0	0.01000
Cladonia cenotea	CLACEN	25	8.000	0.00080	0.00277	0.00055	0.69222	0.0	0.01000
Cladonia chlorophaea	CLACHL	25	64.000	0.01600	0.01936	0.00387	0.38730	0.0	0.10000
Cladonia coccifera	CLACOC	25	4.000	0.00040	0.00200	0.00040	00000	0.0	0.01000
Cladonia cornuta	CLACOR	25	28.000	0.00280	0.00458	0.00092	0.32733	0.0	0.01000
Cladonia cristatella	CLACRI	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cladonia gracilis	CLAGRA	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Cladina mitis	CLAMIT	25	88.000	0.31360	0.64893	0.12979	[illegible]	0.0	3.00000
Cladonia multiformis	CLAMUL	25	20.000	0.00200	0.00408	0.00082	0.40825	0.0	0.01000
Cladina stellaris	CLASTE	25	4.000	0.00040	0.00200	0.00040	00000	0.0	0.01000
Cladonia verticillata	CLAVER	25	4.000	0.00040	0.00200	0.00040	00000	0.0	0.01000
Icmadophila ericetorum	ICMERI	25	4.000	0.00040	0.00200	0.00040	00000	0.0	0.01000
Peltigera aphthosa	PELAPH	25	48.000	0.62480	1.18007	0.23601	0.37773	0.0	4.00000
Peltigera canina	PELCAN	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peltigera malacea	PELMAL	25	12.000	0.00120	0.00332	0.00066	0.55277	0.0	0.01000
Peltigera polydactyla	PELPOL	25	16.000	0.01240	0.03304	0.00661	0.53344	0.0	0.13000
Peltigera pulverulenta	PELPUL	25	24.000	0.04520	0.19991	0.04000	0.88312	0.0	1.00000
Peltigera rufescens	PELRUF	25	8.000	0.04440	0.20000	0.04000	0.90090	0.0	1.00000

BASED ON 30 POSITIVE MEANS SIMPSON'S INDEX OF DOMINANCE CONCENTRATION (C) = 0.4935
SHANNON-WEAVER INDEX OF DIVERSITY (H) = 0.8499 NATURAL LOGARITHMS

30 OF THE 32 VARIABLES HAVE POSITIVE MEANS WHICH SUM TO 8[illegible]



Monge-Slave Lake Stand 8 1982 Bryoid Comm. Monthly Survey 04/14/83 PAGE 8
Statistics for Synthetic Cover and Species Richness Variables
FILE S882029 CREATION DATE = 04/16/83 Stand 8 (28), Old Black Spruce 1982 Bryoid Cover Data Set ...
SUBFILE ALL

LABEL	VARIABLE	N	PERC %	MEAN	STD DEV	STD ERR	STD ERR MEAN	MINIMUM	MAXIMUM
Mean Bryophyte Cover	BRYOPHCV	25	100.000	74.55708	10.30066	2.06014	0.02622	51.00999	96.01999
Mean Bryophyte Species Richness	BRYOPHRP	25	100.000	5.22000	1.34536	0.26907	0.05058	4.00000	9.00000
Mean Lichen Cover	LICHENCV	25	100.000	3.16000	2.21382	0.44276	0.20279	0.03000	8.14000
Mean Lichen Species Richness	LICHENRP	25	100.000	4.48000	1.53065	0.30616	0.08424	2.00000	7.00000
Mean Cover of All Species	TOTALCV	25	100.000	81.72758	8.68275	1.73655	0.02125	64.12999	95.03999
Mean Richness of All Species	TOTALRP	25	100.000	9.80000	1.80278	0.36056	0.03679	7.00000	12.00000

6.2 ANNOTATED LIST OF COLOR SLIDES

The 30 slides listed below are arranged in three groups. The first group (nos. 1 to 12) consists of lateral photographs of reference stand nos. 1 and 5 from fixed positions (see section 2.6) at six monthly intervals during the 1982 snow-free season. The second group (nos. 13 to 22) consists of oblique, closeup photographs of two microplots in reference stand nos. 2 and 5 from fixed tripod positions (see sections 3.3.2, 3.8, 7.1, and 7.2 in the First Report) at five monthly intervals during the 1982 snow-free season. The third group (nos. 25 to 30) consists of photographs of instrumentation and field observations in progress. All dates are 1982.

Slide No.	Reference Stand No.	Date	Annotation
1	1	11 May	Lateral view NE-ward from post 0A to post 1B on first survey date in spring of 1982. Note *Cladina mitis* carpet at lower left, leafless *Alnus crispa* at upper left, young *Picea glauca* tree at upper right, and extensive mats of *Arctostaphylos uva-ursi* in this xeric SW corner of the 42-year old *Pinus banksiana* stand.
2	1	10 Jun	Same view in early summer. *Alnus crispa* is starting to leaf out, shoots of *Maianthemum canadense* are emerging through the lichen carpet, but the overall appearance of the community has not changed much.
3	1	11 Jul	Same view in mid-summer. *Alnus crispa* is in full leaf and casting dense shade locally, the *Rosa acicularis* at lower right corner has produced several new leaves cf. 10 June, and the *Arctostaphylos uva-ursi* is producing new shoots.
4	1	8 Aug	Same view in late summer. Very little has visibly changed cf. 11 July.

Annotated List of Color Slides Continued

Slide No.	Reference Stand No.	Date	Annotation
5	1	9 Sep	Same view in early autumn. The leaves of *Rosa acicularis* are turning yellow, those of *Prunus pensylvanica* and *Amelanchier alnifolia* are turning red, while those of *Alnus crispa* remain green until they are shed. Note red fruits of *Arctostaphylos uva-ursi* in the bearberry mats; many more fruits were produced in 1982 than in 1981.
6	1	10 Oct	Same view in late autumn. *Alnus crispa* is now leafless after several hard frosts, grasses (mostly *Oryzopsis pungens*) are prominent in the reflected light of the late afternoon sun even though their shoot cover and biomass are very low in this pine/bearberry/caribou lichen woodland.
7	5	7 May	Lateral view E-ward from post 3A to post 3B on first survey date in spring of 1982. Note snow-compacted leaf litter on ground. Prominent moss micro-community on lower trunks of *Populus tremuloides* (not on *Picea glauca*) is dominated by the rough mat-forming *Pylaisiella polyantha*. Most of the vascular plants with green leaves on this date are either evergreen (e.g., *Linnaea borealis*) or wintergreen (e.g., *Pyrola asarifolia*).
8	5	9 Jun	Same view in early summer. Herbs and shrubs are rapidly leafing out. Large--leafed medium shrubs are *Viburnum edule* and *Lonicera involucrata*, both members of the honeysuckle family (Caprifoliaceae).
9	5	9 Jul	Same view in mid-summer. Herbs and shrubs have mostly mature foliage at this stage.
10	5	8 Aug	Same view in late summer. Shrub and herb cover have increased relative to 9 July because of plentiful rainfall after mid--summer. Note *Epilobium angustifolium* (fireweed) individual at middle-right; at a similar date in 1981 fireweed was already senescing due to severe drought stress.

Annotated List of Color Slides Continued

Slide No.	Reference Stand No.	Date	Annotation
11	5	10 Sep	Same view in early autumn. *Lonicera involucrata* foliage is still green, that of *Viburnum edule* is red and yellow, and *Aralia nudicaulis* has already dropped its leaflets. Only light frosts have occurred, so photosynthesis can continue in reasonably cold-resistant deciduous and herbaceous as well as ever- and winter-green plants.
12	5	9 Oct	Same view in late autumn after several hard frosts have occurred. Most deciduous and herbaceous species (i.e., summer-green vasculars) have lost their leaves so the ever- and winter-green species have regained dominance of the understory vascular strata. Note moderately abundant leaf litter.

Slide No.	Microplot No.	Date	Annotation
13	2-7-H	7 May	Although the same species are present as in June 1981 (see section 7.1 First Report) there is a notable reduction in the cover of *Cladina mitis* and some increase in vascular plant cover, particularly *Arctostaphylos uva-ursi*. Only *Arctostaphylos uva-ursi* evident in the vascular flora.
14	2-7-H	23 Jun	New growth on *Arctostaphylos uva-ursi*. *Rosa acicularis* with well-developed new leaves. *Solidago decumbens*, *Anemone multifida* and *Maianthemum canadense* have become prominent.
15	2-7-14	28 Jul	*Solidago decumbens*, left center, with considerable new growth.

Annotated List of Color Slides

Slide No.	Microplot No.	Date	Annotation
16	2-7-H	26 Aug	*Maianthemum canadense* showing just a hint of yellow. Other vasculars in summer condition. Presumably, the more favourable conditions in 1982 delayed onset of dormancy as compared to 1981.
17	2-7-H	10 Oct	The only vascular plants with any green are the winter-green *Arctostaphylos uva-ursi* and *Solidago decumbens* which is almost dormant. The others are in the winter dormant condition.
18	5-7-H	8 May	Visible in the upper right is a late-melting snow patch. Visible in the snow-packed leaf litter are some of the feather mosses, mainly *Hylocomium splendens* and also some *Brachythecium salebrosum*.
19	5-7-H	21 Jun	Mosses are little evident. Prominent vascular plants include *Aralia nudicaulis*, *Maianthemum canadense*, *Linnaea borealis*, *Cornus canadensis*, *Petasites palmatus* and *Viburnum edule* seedling.
20	5-7-H	27 Jul	Total leaf area evident has increased. *Hylocomium splendens* a little more evident than in June.
21	5-7-H	24 Aug	*Aralia nudicaulis* and *Maianthemum canadense* starting to turn yellow. *Hylocomium splendens* increasingly evident.
22	5-7-H	9 Oct	Only *Petasites palmatus* of the non-winter-green flora evident. The *Brachythecium salebrosum* on the dark log at the left has deteriorated somewhat between June, 1981 and October, 1982.

Annotated List of Color Slides   Continued

Slide No.	Date	Annotation
23	15 May	Stem-mapping in progress in plot 0A of reference stand no. 5 in the spring of 1982. Manfred Bichlmaier is measuring the dbh of a *Populus tremuloides* snag after attaching an aluminum identification tag to it 1.5 m above ground. Heather Addy (right) and Linda Parker (orange vest) are measuring the coordinates of the snag base in the plot as well as the length and plot boundary intercepts of the fallen top of the snag. Larry Flanagan is tallying the data on a computer--formatted sheet. (see section 3.8).
27	17 Jun	Nanci La Roi recording bird songs in reference stand no. 8 in early summer, using a Dan Gibson parabolic microphone and Uher tape deck. Bird species presence in reference stands is documented by both sight and sound records from the four corners of the stands during the monthly surveys. (see sections 2.7 and 3.11).
25	20 May	Litter traps in SE corner of reference stand no. 2 in late spring. Tree and tall shrub litter is collected in 10 50x50 cm traps mounted 40 cm above ground in randomly chosen 5x5 m plots of the observation rows of all eight reference stands at monthly intervals during the snow-free season. Dwarf shrub litter production in stand nos. 1 to 4 is monitored in perforated 25x25 cm traps at ground level, also at monthly intervals. This research is conducted by Jim Fyles as part of his Ph.D. project. (see sections 2.4 and 4.9).
26	10 Jun	Access ladder leading up into crown space of *Pinus banksiana* tree canopy in reference stand no. 3, where branch samples were collected and leaf water potentials were determined at four-day intervals by Wayne Strong, using the Scholander bomb technique, in 1982. Although adequate for Strong's purpose, these ladders cannot be extended above the tree canopy safely and cannot be substituted for the instrument towers recommended in this report.

Annotated List of Color Slides   Concluded

Slide No.	Date	Annotation
27	11 Sep	Excavated *Pinus banksiana* root system near reference stand no. 2 in early autumn, with Wayne Strong at right. Strong and his co-workers excavated specimens of all important vascular plant species in plots adjoining all eight reference stands, as part of his Ph.D. research on the below--ground components of boreal forest ecosystems. (see sections 2.3, 3.7 and 4.9).
28		Population of *Ptilium crista-castrensis* being monitored for vegetative growth in a protected area adjoining reference stand no. 4. See section 2.2.2 for details on methods.
29	17 Jun	Species-rich vascular plant understory of reference stand no. 5 in early summer. Visible are the medium shrub *Viburnum edule*, dwarf shrubs *Linnaea borealis* and *Rubus pubescens*, forbs *Aralia nudicaulis*, *Aster ciliolatus*, *Mertensia paniculata*, *Lathyrus ochroleucus*, *Galium boreale*, *Fragaria virginiana*, *Cornus canadensis*, *Mitella nuda* and *Pyrola asarifolia*, and the graminoid *Calamagrostis canadensis*. By a similar date in 1981 the leaves of *V. edule* and *Cornus canadensis* had been heavily grazed by Tent Caterpillar.

6.3 COLOR SLIDES

The 29 color slides supplied with original set of reports are inserted in two clear plastic pages at the end of the Appendix volume. These slides may be viewed at the Research Management Division, Alberta Department of Environment.

POOR

QUALITY

ORIGINAL